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## CHAINPURA: ANOTHER MAJOR MULTI-METAL OCCURRENCE REPORTED FOR LEAD ZINC SILVER IN RAJASTHAN

Accidental detection of rich multi-metal deposit recently (Oct-2017) in drill cuttings of some bore wells in Chainpura village located in close proximity with Rampura Agucha deposit has sparked a glister in the metal bowl of India. As is known, no major metal deposit discovery has taken place since the world class Rampura Agucha deposit (1977) in late seventies. Information has come that when Mining Engineers & Geologist of HZL were passing through the area, Mr. Mahindra (local resident) brought some drill cuttings obtained from two bore wells of one Mr. Shanker located in Chainpura village about 4-5 km south west of the Rampura Agucha deposit. The team immediately recognized the mineral bearing cuttings and rock matrix which are similar to that of Rampura Agucha deposit – Graphite Mica Schist as host for mineralization within country rock of Garnet Biotite Sillaminite Gniess, Amphibolite and Cal-silicates. These drill well cutting samples were sent for analysis. The result recd. was indeed a celebration for whole of India – 2-3% Pb, 7 to 16% Zn, 80 to 110 ppm Silver. The said occurrence is at a shallow depth of 20-30m.



Subsequently the Deptt of Mines & Geology, Rajasthan has already reserved an area of 500 Sq Km for prospecting. Initial Geo physical survey has been done. Now intensive Geo physical survey is planned with deep penetration radar around villages namely Chainpura, Kanwalias and Kasoria in Bhilwara distt. (Source: Initial news to MEAI was recd. from Dr. P.K.Rajmeny (retired Geotech Engineer). The villager met Mr. Rajendra Dashora, President, Mining operations & Mr. Subhadip Adak, Geologist of Agucha mines of HZL. MEAI is highly thankful to these Mining Engineers & Geologist for this news item)

## GOVERNMENT CLEARS OPENING UP OF COMMERCIAL COAL MINING TO PRIVATE FIRMS

The opening up of commercial coal mining for private sector is the most ambitious coal sector reform since the nationalisation of this sector, Coal and Railway Minister Piyush Goyal said.

Big, medium as well as small mines would be offered to private companies for mining. In a major reform in the coal sector since its nationalisation in 1973, the government has allowed private companies to mine the fossil fuel for commercial use, ending the monopoly of state-owned Coal India Ltd (CIL). Currently, private sector is allowed coal mining for captive use only. The reform, Mr Goyal said, is likely to bring efficiency into the coal sector by moving away from the era of monopoly (of CIL) to competition and lower power tariffs. He said the move will lead to higher investments and create lakhs of direct and indirect jobs. ( Source: Indian Express dt.21.2.18)

## SUPREME COURT

The Supreme Court has stopped sand mining till scientific sand replenishment report is prepared and evaluated in State of Rajasthan in 78 mining leases 3 months back. The further direction is still awaited. Now the media report is next date of hearing is fixed on dt. 2.4.18 (Source: Dainik Bhaskar dt. 24.3.18)

## MINISTRY OF MINES

The Ministry of Mines organized the 3rd National Conclave on Mines & Minerals on 20th March 2018 in New Delhi. In the conclave, the 'Sand Mining Framework' was also launched by the Minister of Mines, Shri Narendra Singh Tomar. The Central Govt hope that the suggestions in the Framework will provide a roadmap to the States helping them to frame their policies and act as a check on illegal mining of sand. With regard to 5 star rating of the mines, total 32 mines were awarded on the basis of performance during yr. 2015-16. The performance of mines during yr. 2016-17 has improved and total 57 mines were awarded 5 star ratings.

## HINDUSTAN ZINC LTD

HZL conducted skill development training for mine workers. The certificates to the successful candidates were handed over by the Central Mines Secretary and Central Skill Development Secretary in the function held at Udaipur on dt. 24.1.18 (Source: Dainik Bhaskar dt. 25.1.18)

## INDIAN BUREAU OF MINES

Following mines in Rajasthan were given 5 star ratings in the conclave held on dt. 20.3.18 at New Delhi.

Lessee/Owner	Location	Distt
Aditya Cement	Shambhupura	Chittorgarh
J K Cements	Malia Khera	Chittorgarh
J K Cements	Mangrol	Chittorgarh
J K Lakshmi Corp	Basantgarh	Sirohi
Hindustan Zinc Ltd	Agucha	Bhilwara
Hindustan Zinc Ltd	Rajpura - Dariba	Rajsamand
Ultratech Cements	Mohanpura -Jodhpura	Jaipur
Shree Cements	Nimbeti	Pali
Shree Cements	Sheopura Kesarpura	Ajmer

## STATE GOVT OF RAJASTHAN, MINES DEPTT

The State Govt vide Notification No. F 14(9) Mines ( Gr II) 2015-Pt-II dt. 14.3.18, has amended following rules of MMCR, 2017 : 7,8,9,10,12,13,14,15,16,17,18,21,28,37, 51,52 & 74.

Further new rule 68A has been added. The amendment of rule 9 says that period of Bajri leases in paleo channel of Bikaner distt shall be for a period of 50 yrs and not 5 yrs as is the provision for river sand leases in the State. The newly added rule 68A says that the State may issue guide lines for mining of Bajri. Most of the changes brought out aims at first that the auction process is completed in single step instead in 2 steps and secondly it has been simplified by these amendments.

## DEPTT OF MINES & GEOLOGY, RAJASTHAN

1. Two to three months back (between Jan to March, 18), minor mineral blocks were auctioned for various minerals in large number. Out of these so far, Letter of Intent has been issued in 191 cases to obtain various clearances. In these auctions some high bids (unworkable) were also recd. which have been rejected ( In all 139 bids)
2. The Deptt had put out 31 bajri ( Sand) blocks for auction of size 5-50 hect in 6 distts as under

Distt	No of blocks
Jaipur	4
Bhilwara	7
Ajmer	13
Chittorgarh	2
Jhunjhunu	2
Dausa	3
Total	31

But this notification has been stayed by Raj High Court with the direction that unless general clearance is recd. from Supreme Court, no such auction is conducted (Source: Dainik Bhaskar dt. 24.3.18)

3. The system of issue of online transit pass of mineral carrying vehicles has started from dt. 1.3.18 (Source: Dainik Bhaskar dt. 16.2.18)

## SARPANCH OF SAWAIMADHOPUR DISTT WAS KILLED IN STONE PELTING

Sarpanch Shri Raghuvver Meena of Sawaimadhapur distt was killed on dt. 15.2.18 in stone pelting when he went in the night along with Asstt mining Engineer Shri Prakash Mali and 11 RAC constables in village Hathdoli distt Sawaimadhapur to check illegal mining of Bajri (Source: Dainik Bhaskar dt. 16.2.18)

## ANOTHER INCIDENT OF THREAT TO GOVT OFFICIAL IN KOTA CITY

The transport inspector Shri Tansukh was threatened to leave the area when he went to check illegal mining of Bajri but with the help of police they were successful to unload the illegally transported bajri from the dumper (Source: Dainik Bhaskar dt. 16.2.18)

## FORMER CHIEF MINISTER, LEASEHOLDER & MINES DEPARTMENT OFFICIAL NAMED IN GOA CHARGE SHEET

A Special Investigation Team (SIT) of the Goa Police investigating the mining scam in Goa, charge sheeted former Chief Minister and Congress MLA Digambar Kamat and two others for condoning the delay in renewal of a mining lease in South Goa. The 1,572-page

## From Editor's Desk

Accidentally, through bore-well cuttings, lead zinc metal deposit near to Agucha mines of HZL has come to light, Central Govt is opening coal mines to private operators, the State Govt of Raj. has amended various rules of MMCR, 2017 so that auction process can be completed in single step instead in 2 steps and secondly auction process itself has been simplified. Further new rule 68A has been added so that the State may issue guide lines for mining of Bajri. The amendment of rule 9 says that period of Bajri leases in paleo channel of Bikaner distt shall be for a period of 50 yrs and not 5 yrs as is the provision for river sand leases in the State.



This newsletter has covered these topics and other news including deliberations of technical talk on sand. There is a news on the National Workshop & Exhibition being organized on "Problems of River sand mining and its alternatives" at Udaipur on 21-22 April, 2018. I hope the reader would find it interesting. **Y C Gupta**

## MULTI COLOUR ADVERTISEMENT RATES FOR BIMONTHLY NEWS LETTER OF MEAI, RAJASTHAN CHAPTER, UDAIPUR

- (i) Advertisement- front page- Rs. 60,000/- for six issues of the year and Rs. 10,000/- for one issue.
- (ii) Advertisement- Back page- Rs. 50,000/- for six issues of the year and Rs. 8000/- for one issue.
- (iii) Full page inside for six issues in a year- Rs. 30,000/- and Rs. 5000/- for one issue.
- (iv) Half page inside for six issues in a year - Rs. 15,000/- and Rs. 3000/- for one issue.

charge sheet has booked Mr. Kamat, leaseholder Prafulla Hede, and Goa Mines and Geology Department official A.T. D'Souza under sections of the Mines and Minerals Development and Regulation Act, Prevention of Corruption Act and the Indian Penal Code. Mr. Kamat, who held the Mines portfolio from 2007 to 2012, is accused of allowing mining companies, including the one operated by Mr. Hede, to avail the 'condonation of delay' clause to renew their iron ore mining leases in return for bribes. The SIT has also questioned Mr. Kamat's son Yogiraj and brother in-law Satish Lawande in the case. Rajiv Yaduvanshi, the then Principal Secretary (Mines), has turned approver. There are 40 witnesses (Source: The Hindu dt. 19.1.18)

## OBITUARY



Shri Vijay Prakash Soni (Life Member LM-614) left this world on 20th December, 2017. He was an active member of MEAI. He did his B.E. mining from MBM College Jodhpur in 1979. He worked at various mines located Gujrat and Rajasthan. He has retired from Wonder Cement as a Vice president in the year 2017. The MEAI express their heartfelt condolences on the sad demise of Shri Vijay Prakash Soni and convey its profound condolences to the bereaved family and friends to bear the loss.

## OBITUARY



Shri Umesh Kumar Jha (Life Member LM-1583), Former Joint Secretary (2010-2012) Mining Engineers' Association of India Rajasthan Chapter, Udaipur, born on 3 December, 1940 passed away on 20 March, 2018, after brief illness at Udaipur. He had diploma in Mining Engineering from CTAE, Udaipur and obtained 1st class Mines Manager Certificate. He served in DMG, HZL, ACC, RSMM & R.K. Marble till 5 years back. He worked for environment certification work and auditing. He was also fellow member in Indian society of Drilling Engineer, Nagpur. He was active member of MEAI and conducted First-aid and Mining Mate training programs. We convey our profound condolence to the bereaved family and friends to bear the loss.



## REPORT OF TECHNICAL TALK HELD ON 18 JANUARY, 2018 BY MEAI, RAJ. CHAPTER, UDAIPUR

The Supreme Court has stopped sand mining till scientific sand replenishment report is prepared and evaluated in State of Rajasthan. In the light of this and due to present crisis of sand availability, tech talk was arranged on dt. 18 January, 2018 at Deptt of Mining Engineering, CTAE, Udaipur. Besides the speakers, Sh. A.K. Kothari President, MEAI, Dr. S.S. Rathore, chairman MEAI, Raj. chapter, Udaipur, Shri R.D. Saxena, Secretary, MEAI, and Shri R.C. Kumawat, Chairman, Technical Talk and Seminar Committee were on the dias. More than 100 participants were in the hall including Prof & Head Dr Anupam Bhatnagar, Shri R P Gupta, Dr S C Jain, other faculty members of college, Officers of State Govt. etc. After garlanding of the guests/speakers the Chairman, Dr. S.S. Rathore MEAI, Raj. Chapter, Udaipur and Dean CTAE, Udaipur welcomed the guests/speakers and the participating Engineers of MEAI, Students member and the Industrialists present and introduced the subject and through light on the purpose to arrange the tech talk.

Shri A K Kothari, National President gave brief history of regulatory mechanism in Rajasthan under Minor Mineral rules since beginning. He said some alternatives were tried but ultimately the State formulated policy to auction 100 hect size mining leases 5 yrs back. More than 100 leases were auctioned also. The State faced no problem of supply of natural sand all these yrs. But due to recent SC order work has stopped in most of them. He is however optimistic that the Govt would be soon able to obtain satisfactory order from the apex court so that work can start in these closed mines. Shri N K Kothari, Addl Director Mines Hqs, DMG gave details of the court's intervention from time to time and what the Deptt did to comply with these directions. He firmly said the State has been able to meet with the requirement of all concerns in respect of natural sand availability. He informed that Deptt is trying its best to obtain satisfactory order form SC. Shri M S Paliwal, Superintending Mining Engineer from DMG, presented the technical paper through power point presentation on the topic "River Sand Mining-Environmental, Social Issues and Policies" and gave details of Sustainable mining guide lines of MOEF, SC directions in respect of precautions to be taken during mining and the State Govt directives for mining operations. He outlined the study undertaken as to how sand cover helps in ground recharge of water. Surprising the outcome was that sand cover holds very little water. It is only the cracks in the rocks hold major amount of water. He informed that Study has been done by CMPDI in respect of scientific sand replenishment in mining lease areas. Soon SC would be requested, to allow them to resume mining.



Chairman Dr. S.S. Rathore welcomed the guests and participants



The guest on the dias.



The National President, MEAI, Sh. A.K. Kothari, replying to the queries of the audience.



Shri N.K. Kothari delivering talk

Shri Y. C. Gupta, Editor, Bimonthly News Letter, MEAI Raj. Chapter, Udaipur, presented paper titled **"WHETHER SHORTAGE OF NATURAL SAND EXISTS- RECYCLED CONSTRUCTION MATERIAL & MANUFACTURED SAND AS ALTERNATIVE"**

He introduced the subject stating that (1) Number of High Courts in the country have banned sand mining from large number of rivers (2) A few State Govts also banned sand mining in some rivers (3) Continuous assaults are there on public servants (4) High market price and (5) Long distance covered by Sand trucks are sufficient pointers to the magnitude of problem. Based on these points, one can say that availability of sand is poor in the country. Also, land area of India remained same, rain fall same, rivers same, so for discussions sake, one can assume that sand creation is also same. Against this, requirement of natural sand has increased many folds since independence. So logical conclusion can only be that some alternative has to be found for natural sand. Alternative can be recycled construction material and manufactured sand. Even Govt of India is working in this direction. He has been informed by the Ministry of Housing & Urban Affairs vide letter dt. 25.9.17, that BIS has been revised for use of recycled construction material. Secondly CPWD has issued notification for its use. Thirdly, under Swachh Bharat Mission these initiatives have been taken.

1. He further stated that all Recycled construction material, where ever it is generated should be put to use. All Municipalities take action on this. It is a sheer crime that we while away these resources. Presently what we see is all solid wastes are mixed together which is dumped outside the city. It is against the conservation of whatever nature has given us. Huge quantity of old construction material is produced in India. Municipalities have laws to segregate it and use but except in North Delhi no municipality is using it. DMGs should take up this matter with their Local Self Deptt. If they has some limitation, than suggest that MEAI should take up with concerning authorities. IN the talk he informed what UN says in the matter and what is being done by countries like US & UK. He informed that US has an association named "Construction Materials Recycling Association".

2. Next he dealt M Sand. World over M sand is used all over. He gave example of US, UK, Hong Kong, Singapore etc. In India, as per cyber sites, it has been used in Maharashtra in the construction of Mumbai- Pune Express way, in MP and many places. One of the web page says that in Maharashtra M sand is much cheaper to natural sand. One private co in Bangalore says that they have invested Rs. 140 Crores for State Of The Art Project at Perindesam. 500 TPH plant caters to the requirement of sand for concrete and plaster. Invested Rs. 100 Crores in two 300 TPH plants in Hosur. Have strong Market Presence with 27% share in Bangalore. They are crushing weathered granite.

3. He suggested that DMGs should identify deposits having weathered rocks suitable for easy crushing to obtain manufactured sand. Further as M sand has to compete with natural sand, and if the land of such deposits lies under forest or private land, the State at its cost should make the land available for leasing. Then he said, nothing works in the country except market forces. No regulation, direction, governance specially in the interior areas where sand deposits are located, is likely to be effective. For this, what is required is natural sand is

made very costly by increasing rate of royalty to a level it become costlier to M Sand or recycled construction material. But for local use it is made free if it is carried by animal cart or in hand cart. Exemptions can be provided under the minor mineral rules.

The Industrialists Mr. Daya and Mr. Mundra were felicitated for their M Sand production of requisite quality at their crushing units. The live question-answer session was very much informative and interesting during the talk. The program was convened by Sh. R.C. Kumawat., Chairman, Technical Talk and Seminar committee. The vote of thanks was presented by Sh. R.D. Saxena, Secretary, MEAI, Raj. Chapter, Udaipur.



Shri M.S. Paliwal delivering talk



Y.C. Gupta delivering talk

### NATIONAL WORKSHOP & EXHIBITION

MEAI Raj Chapter, Udaipur is organizing National Workshop & Exhibition, on “Problems of River sand mining and its alternatives” at Udaipur on 21-22 April, 2018. Contact :Dr S C Jain, Organizing Secretary e mail- scjain44@rediffmail.com Mob: 94137 63980 and meai.udaipur@gmail.com | **Venue:** CTAE, Pratap Nagar, Maharana Pratap University of Agriculture & Technology, Udaipur 313001

#### SUB- THEMES

1. Availability of river sand
2. Regulatory framework and associated problems in sand mining
3. Alternate to sand mining (a) Manufactured sand (b) Recycled material (c) Use of mines overburden material for M sand (d) Validation and scientific study for civil usage of alternate

### Calendar of events

13-15 April, 2018 –Seminar on Advancement in Mining of Oil and Solid Fuels, Organized by MEAI Raj Chapter, Jaipur at Jaipur. Contact : Shri P C Bakliwal, Secretary e mail- pc\_bakliwal@yahoo.co.in and meaijpr2010@gmail.com

21-22 April, 2018 –National Workshop & Exhibition on “Problems of River sand mining and its alternatives”. Organized by MEAI Raj Chapter, Udaipur at Udaipur. Contact: Dr S C Jain, Organizing Secretary e mail scjain44@rediffmail.com Mob: 94137 63980 and meai.udaipur@gmail.com

### MINING ENGINEERS' ASSOCIATION OF INDIA, RAJASTHAN CHAPTER, UDAIPUR

1. Blood donation camp was organized in association with other organizations on dt. 23.3.18 at Udaipur.
2. Organized Technical Talk on recent burning issue and crisis on the topic “Sand Mining in Rajasthan” on 18th January, 2018 in CTAE, Udaipur.

### BLOOD DONATION CAMP

On the occasion of Saheed Divas, in association with CTAE, Sunderdevi Kothari Trust, Seth Jugal kishor Saraswati devi Choudhary trust, Mahavir International and Anuvrat Samiti, Udaipur MEAI organized BLOOD DONATION CAMP on dt. 23. 3.18 at CTAE Electrical Department, Conference hall, Udaipur. The camp was inaugurated by the Vice Chancellor, MPUAT, Prof Uma Shankar Sharma, Dean CTAE and Chairman MEAI Udaipur Chapter, Dr S S Rathore,

President Mahavir International, Shri BL Khamesra, Past National President MEAI, Shri RP Gupta, Past District Governor Rotary Dr. Y.S.Kothari, & social activist Smt Kanta Kothari. Blood collection was done by a team of 7 members from Blood Bank of Maharana Bhupal Hospital, Udaipur. 111 units blood was donated by students and others. All blood donors were given gifts and certificates by Sunderdevi Kothari Trust and Mahavir International. Shri Ravindra pal Singh Kappu, Dr.Neeraj Kothari & Shri Ganesh Dagalia were honoured for donating blood multiple times.



Blood Donation Camp



Another photo of Blood Donation Camp

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