

## Brief Bio-data

1. Name: Abdur Rahman
2. Date of Birth: 02/06/1986
3. Current Position and Address (Include Email ID and Contact Number): Technical Assistant  
CSIR-CIMFR Mining Technology Division Nagpur Research Center, Nagpur  
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Contact Number: +91 9936274898
4. Educational Qualifications: (Graduation and above):

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1	B. Sc, (Hons)	2010	Aligarh Muslim University Aligarh	Geology
2	M.Sc.	2012	Panjab University Chandigarh	Petroleum Geology

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Technical Assistant	CSIR-Central Institute of Mining and Fuel Research	2019	Till Date	Rock Excavation, Rock Mechanics, Blasting (Open & Underground Mines, Tunnels, Highways Metros and Rails Roads Construction).
Project Assistant	CSIR-Central Institute of Mining and Fuel Research	2014	2019	Rock Excavation, Rock Mechanics, Blasting (Open & Underground Mines, Tunnels, Highways Metros and Rails Roads Construction).

6. Work Area(s)/ Specialization:

Geologist/ Rock Mechanics, Rock Excavation, Blasting, Controlled blast design and Vibration monitoring (Open & Underground Mines, Tunnels, Highways Metros and Rails Roads Construction)

7. Major contributions: (Max. 100 words):

- ❖ My major worked in Open and underground mines of Hindustan Zinc Limited Ajmer, were survey the area and design for productive and safe blasting, measure the vibration at different places and consult for future planning.
- ❖ Advice for optimization of Blast Design parameters for flattening of Ulwe Hill as part of the land development work and River diversion for runway of Navi Mumbai International Airport.
- ❖ Studies and Survey on controlled blasting, monitoring the blast vibrations and suggest for new blast design to rise the production for rock excavation at Mumbai Metro Mumbai.
- ❖ Survey and Studies on controlled blasting and blast vibration, flyrock and designed for safe and productive blast for rock excavation at Bangalore Metro Bangalore Karnataka.
- ❖ Scientific study on impact of TBM induced Vibrations on mudflat and changes in the characteristics of mudflats at the tunnel alignment of High Speed Rail, Mumbai

8. No. of Research Publications:

- Papers in Journals: Nil
- In conference proceedings: 02
- Invited lectures delivered: Nil
- List of best 05 Publications
  
- ❖ “Safe blasting practices at Ulwe Hill for construction of international airport at Navi Mumbai India, in “Rock Blasting Technique- Challenges and Opportunities”, India November 23-24, 2018. Paswan R. K, **Rahman Abdur**, Shaw K.Vikram Nag.Arun, DR. Roy. M.P, DR. Singh P.K.
  
- ❖ A Game changer To Enhance Blasting Safety and Productivity in Opencast mine. Recent Practice and advance in Mineral Industry (RPMI), India 21-22 February 2020, Page No. 407- 419. Ramulu M, Dhar B K, **Rahman A** and Choudhury P B
  
- Books/Chapters authored/edited: Nil

9. List of 5 Major Contract R&D Projects:

- i- Study and advice for optimization of blast design parameters at Kayad underground mines of Hindustan Zinc Limited Ajmer, Rajasthan.
  
- ii- Advice for optimization of Blast Design parameters for flattening of Ulwe Hill as part of the land development work and River diversion for Navi Mumbai International Airport, Navi Mumbai.
  
- iii- Studies on controlled blasting and blast vibration for rock excavation Mumbai Metro Mumbai Maharashtra.
  
- iv- Studies on controlled blasting and blast vibration for rock excavation Bangalore Metro, Bangalore, Karnataka.
  
- v- Scientific study on impact of TBM induced Vibrations on mudflat and changes in the characteristics of mudflats at the tunnel alignment of High Speed Rail, Mumbai

10. (a) Name of Patents/Copyrights applied /granted/commercialized: Nil

(b) Technologies/Products /knowhow/Services developed: Nil

11. Honors/Awards/Recognitions/Fellowships/Scholarships/Professional Memberships received: Nil

12. Societal Contributions:

Technical support rendered in projects of National interests such as – Navi Mumbai International Airport Navi Mumbai, Mumbai-Ahmadabad (High-speed) Bullet Train, Mumbai Metro, Bangalore Metro, Mumbai-Nagpur Samruddhi Mahamarg Tunnel Project, Railways, Mining and Civil Sectors.