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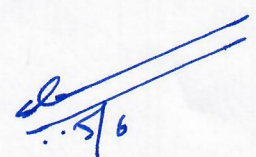
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06, May 2020

✓ Dr. Shekhar C. Mande
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**APPRECIATION LETTER FOR "CSIR CONTROLLED BLASTING TECHNIQUE" TO
ENHANCE THE PROGRESS OF BORDER ROADS**

1. Reference to the MoU between CSIR-CIMFR and BRO dated 16th November 2018 and the field visits conducted by the scientific team to suggest blast designs on various border roads, thereafter.
2. Difficulties faced in rock blasting during formation works of hill roads to develop road formation has been one of the major reasons for slow progress of construction of roads in hilly terrain and High-altitude area in Northern and North-East part of the country.
3. Scientific team of CSIR-Central Institute of Mining and Fuel Research spent considerable time at the various sites of Border Roads Organisation for transferring the technology of controlled blasting in road construction in such terrain & remote border area of the country.
4. Field visit reports received from the offices of various Chief Engineer Projects has confirmed that controlled blasting technique of CSIR-CIMFR is quite helpful, effective & safe in enhancing the progress of roads.
5. I convey my appreciation for the dedication, professionalism and skills of Dr. Aditya Rana, Project leader and team of CIMFR. Dr. Rana spent over 125 days with BRO (including festivals of Diwali and Dusshera) in extreme climatic condition in these remote part of the country to train and advise the BRO staff. I believe CSIR system has adequate mechanism to acknowledge the contribution of such young scientists.
6. Furthermore, the guidance rendered by Dr. C. Sawmliana, HoS, REE is admiring. Moreover, the administrative support and scientific advices provided by Dr. Pradeep K.Singh, Director, CSIR-CIMFR (who also happens to be the Head of this Research Group) during the execution of scientific project is thankfully acknowledged.


H (S.C.D.)
D/ CIMFR

7. Nevertheless, the technical services provided by other team members of REE division Sh. Rakesh Singh, Sh. N.K. Bhagat, Sh. Saikat Banarjee and Sh. Gajendra Jadaun are appreciated.

We look forward working with CSIR in future also.


(Anil Kumar)
Addl DGBR(NW)

Copy to:

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- For Information please

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