

Another First by NCB – Launch of Indian Certified Reference Materials (BNDs)

National Council for Cement and Building Materials (NCB) is proud to **launch 5 Bhartiya Nirdeshak Dravyas (BNDs), the Indian Certified Reference Materials (CRMs), developed by Centre for Quality Management, Standards and Calibration Services (CQC).** These BNDs derive their traceability to SI units from CSIR-National Physical Laboratory (NPL), India, the custodian of national standards in India

Following BNDs are now commercially available & these are going to replace earlier CRMs.

Sl. No.	BND No.	CRM No.	Material Description
1	5001	1001A18	OPC-Blaine fineness
2	5003	1002C3	PSC-Blaine fineness
3	5004	1001FC9	Fly ash-Blaine fineness
4	5051	1012M	OPC-Chemical
5	5052	1016D	PPC-Chemical

NCB has so far developed 79 types of CRMs. These CRMs are traceable to SI units of measurement. **Now, the traceability of NCB CRMs has been certified by CSIR-NPL India, the National Metrology Institute (NMI) of India, by releasing these CRMs as BNDs.** First batch of 6 NCB BNDs was released by Honourable Minister Dr Harsh Vardhan at a glittering function on 16th August 2018 in CSIR-NPL auditorium in New Delhi, in the presence of Dr D K Aswal (Director-NPL), Sh Ashutosh Saxena (DG-NCB), Dr S K Breja (Centre Head, CQC) and NCB team. The first lot of BND certificates has been received on 10th October 2018 for 5 CRMs mentioned in the table and formally released by DG-NCB on 11th October 2018 in a special meeting.

Bhartiya Nirdeshak Dravya (BND) is an Indian Reference Material. **NCB is the first organization in the country, outside (CSIR-NPL), to get BND marking for its reference materials.** Now NCB CRMs bear BND logo on its reference materials and certificates. BNDs would play key role in maintaining the quality infrastructure of the economy through testing and calibration with precise measurements traceable to SI units and also for evaluating proficiency of analysts, evaluating/ comparing various test methods and calibration of equipment for analyzing minor constituents of the cementitious materials. The availability SI traceable BNDs will give a boost to “Make in India” programme and harmonize the quality infrastructure of the country.



Signing of the MOU between CSIR-NPL and NCB for BND Certifications on the occasion of World Metrology Day on 21st May 2018. CSIR-NPL and NCB Team members are present on the Dais with Dr D K Aswal, Director, CSIR-NPL. The MOU was signed by Dr. S K Breja, Joint Director & Head - CQC, Standing on the right of Dr D K Aswal and Dr Nahar Singh, Principal Scientist, CSIR-NPL.



Release of NCB BNDs by Honourable Minister Dr Harsh Vardhan at CSIR-NPL on 16th August, 2018



A group Photograph of NCB Officials with Dr D K Aswal (Director, CSIR-NPL) after the Release of BNDs on 16th August, 2018



Sh Ashutosh Saxena, Director General (Actg.) and other NCB Officials during the release of BND Certificates in NCB Board Room. Dr S K Breja, Head-CQC is on the right and Mr V V Arora, Head-CDR on the left of DG (in the centre) on 11th October, 2018