



Bhartiya Nirdeshak Dravya (BND®)
(In collaboration with NCB, Ballabgarh)



Bhartiya Nirdeshak Dravya (BND®)/Indian Certified Reference Materials are commercially available.

Sl. No.	BND Number	BND Name	Purpose	Price per BND	Available and purchase at / BND Price and other details
1	BND 5001	Ordinary Portland Cement	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
2	BND 5002	Portland Pozzolana Cement	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
3	BND 5003	Portland Slag Cement	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
4	BND 5004	Fly Ash	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
5	BND 5006	Composite Cement	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
6	BND 5007	White Portland cement	Calibration of Blain Air Permeability Apparatus	INR 6600.00 USD 180	http://www.ncbindia.com/qc-other.php
7	BND 5011	Ordinary Portland Cement	Calibration of Blain Air Permeability Apparatus	INR 5500.00 USD 150	http://www.ncbindia.com/qc-other.php
8	BND 5051	Ordinary Portland Cement	Proficiency evaluation of analyst evaluation and comparison of various test methods and calibration of equipment for analysing minor constituents for analysis of Ordinary Portland Cement and material of similar matrix	INR 9600.00 USD 255	http://www.ncbindia.com/qc-other.php
9	BND 5052	Portland Pozzolana Cement	Proficiency evaluation of analyst, evaluation and comparison of various test methods and calibration of equipment for analysing alkalis for analysis of Portland Pozzolana Cement and material of similar matrix	INR. 9600.00 USD 255	http://www.ncbindia.com/qc-other.php
10	BND 5054	Fly Ash	Proficiency evaluation of analyst, evaluation and comparison of various test methods and calibration of equipment for analysing alkalis for analysis of Fly Ash	INR 9600.00 USD 255	http://www.ncbindia.com/qc-other.php

Launch of Indian Certified Reference Materials (BNDs)

National Council for Cement and Building Materials (NCB) is proud to **launch 10 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

As you are aware, 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.**

NCB BNDs was released by **Honourable Minister Dr Harsh Vardhan** at a glittering function on **16th August 2018** at CSIR-NPL, New Delhi in the presence of **Dr D K Aswal (Director-NPL), Sh Ashutosh Saxena (Actg. DG-NCB)** and NCB team.

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.



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

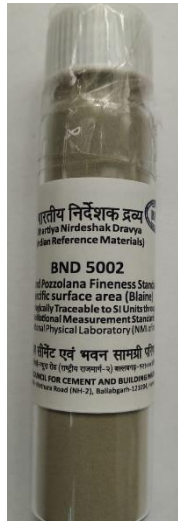


A group Photograph of NCB Officials with Dr D K Aswal (Director, CSIR-NPL) after the Release of BNDs on 16th August, 2018

Picture of Bhartiya Nirdeshak Dravya (BND®)/Indian Certified Reference Materials Vials



BND 5001



BND 5002



BND 5003



BND 5004



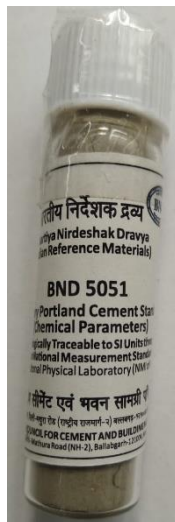
BND 5006



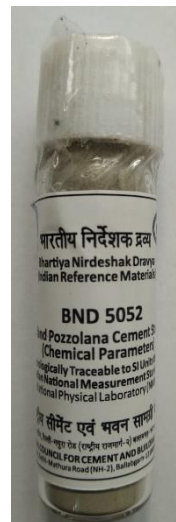
BND 5007



BND 5011



BND 5051



BND 5052



BND 5054

NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS

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