

**Centre for Quality Management, Standards and Calibration Services (CQC)  
NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS**

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**CHARGES OF CERTIFIED REFERENCE MATERIALS (CRMS) /  
BHARATIYA NIRDESHAK DRAVYA (BND) – (w.e.f. 1<sup>st</sup> April 2021)**

CRM/BND No.	Material	Parameter	Charges Per Set	
			Rs.	USD
BND 5001	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 250 - 300 m <sup>2</sup> /kg)	5500.00	150
BND 5021	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 320 - 360 m <sup>2</sup> /kg)	5500.00	150
BND 5011	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 400 - 450 m <sup>2</sup> /kg)	5500.00	150
BND 5004	Fly Ash	Blaine's fineness & Specific gravity	5500.00	150
BND 5007	White Portland Cement	Blaine's fineness & Specific gravity	6600.00	180
BND 5002	Portland Pozzolana Cement	Blaine's fineness & Specific gravity	5500.00	150
CRM 1002B	Blast Furnace Slag	Blaine's fineness & Specific gravity	5500.00	150
BND 5003	Portland Slag Cement	Blaine's fineness & Specific gravity	5500.00	150
CRM 1002D	Calcined Clay Pozzolana	Blaine's fineness & Specific gravity	5500.00	150
BND 5006	Composite Cement	Blaine's fineness & Specific gravity	5500.00	150
CRM 1002G	Ordinary Portland Cement	Residue on 45 µm sieve (wet sieving)	11050.00	370
CRM 1007	Gypsum	Combined water, SiO <sub>2</sub> + Acid insoluble, Fe <sub>2</sub> O <sub>3</sub> +Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> & NaCl	9600.00	255
BND 5056	Limestone	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Mn <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , P <sub>2</sub> O <sub>5</sub> , Na <sub>2</sub> O, K <sub>2</sub> O, SO <sub>3</sub> & Cl	9600.00	255
CRM 1010	Hydrated Lime (for LR test)	CaO, MgO, SiO <sub>2</sub> , IR & specific gravity	5200.00	150
CRM 1011	Clay	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Mn <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , P <sub>2</sub> O <sub>5</sub> , Na <sub>2</sub> O & K <sub>2</sub> O	9600.00	255
BND 5051	Ordinary Portland Cement	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Mn <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1013	White Portland Cement	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1014	Oil Well Cement	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O & Free lime	9600.00	255
BND 5058	Clinker	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O, Cl, Mn <sub>2</sub> O <sub>3</sub> & TiO <sub>2</sub>	9600.00	255
BND 5052	Portland Pozzolana Cement	LOI, MgO, SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1017	Portland Slag Cement	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Mn <sub>2</sub> O <sub>3</sub> , TiO <sub>2</sub> , P <sub>2</sub> O <sub>5</sub> , SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O, Cl, Sulphur & IR	9600.00	255

CRM/BND No.	Material	Parameter	Charges Per Set	
			Rs.	USD
BND 5057	Raw Meal	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O, Cl, Mn <sub>2</sub> O <sub>3</sub> & TiO <sub>2</sub>	9600.00	255
BND 5054	Fly Ash	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Cl, Na <sub>2</sub> O & K <sub>2</sub> O	9600.00	255
CRM 1030	Ground Granulated Blast Furnace Slag	GOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O, TiO <sub>2</sub> , Mn <sub>2</sub> O <sub>3</sub> & Sulphide sulphur	9600.00	255
BND 5091	Coal	Ash content, Volatile matter, Sulphur & Calorific value (values based on air-dried basis)	9600.00	255
RM 1035	Fly Ash	Lime reactivity Quantity: 300 g (2 × 150 g)	9200.00	250
CRM 1036	Ordinary Portland Cement	Residue on 90 µm (Dry Sieving)	5800.00	150
CRM 1037	Fly ash (3 packs) for ROS: i) 300 & 150 µm (dry sieving) ii) 75 µm (wet sieving) iii) 45 µm (wet sieving)	Quantity: 2 × 100 g 2 × 100 g 2 × 100 g	11000.00	306
CRM 1038	Three grades of sand (3 packs) for ROS: i) Coarse – 2 mm & 1mm sieve ii) Medium – 1 mm & 500µm sieve iii) Fine – 500 µm & 90 µm sieve	Quantity: 2 × 100 g 2 × 100 g 2 × 100 g	11000.00	306
CRM 1039	Laterite	SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1040	Silica Fume	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1041	Red Ochre/Bauxite	SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	255
CRM 1042	Pet coke	Ash content, Volatile matter, Sulphur & Calorific value	9600.00	255
BND 5055	Composite Cement	LOI, SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	8800.00	240

**BND: Bharatiya Nirdeshak Dravya; CRM: Certified Reference Material; RM: Reference Material**

**Note: Customer is requested to kindly enquire the availability of products before processing order/payment.**

**CERTIFIED REFERENCE MATERIALS**  
**Terms, Conditions & Guidelines**

- i) **Packaging:** The CRM for chemical parameters is packed in four sealed vials, with each vial containing approximately five grams of powdered material. The CRM for physical parameters is packed in four sealed vials with each vial containing approximately ten grams of powdered material. The CRM of hydrated lime is packed in three packets, with each packet containing approximately 170 grams of material.
- ii) **Plant specific CRMs:** Raw materials, raw meal, kiln feed, clinker, cement etc. for calibration of X-ray analyzer (XRF/XRD), to eliminate matrix variation, are developed on sponsored basis. These are provided in desired quantity to the sponsor for long term application. CRMs for specifically desired parameters and applications are also developed and provided in desired quantity on sponsored basis. Charges for these CRMs are as per the mutually agreed scope of work and payment terms.
- iii) **Certification:** The certified value and expanded uncertainty of CRM is estimated with high degree of confidence and known sources of bias investigated by NCB and reported in the certificate provided with CRM. Duplicate certificate, if desired, will be issued on payment of Rs. 500.00.
- iv) **Payment:** Advance payment can be made to nearest rupee (including 18% GST) as per our quotation/invoice/rate list, through **SBI Collect#** only.
- v) **GST No. is 06AAATN2477N1Z6 and PAN No. is AAATN2477N**
- vi) **E-payment details:** E-payment link are as follows:  
<https://www.onlinesbi.com/sbicollect/icollecthome.htm>.
- vii) **Payment intimation:** Transaction details should be intimated by e-mail.
- viii) **Dispatch charges:** The rates in INR are inclusive of dispatch charges for companies in India. In case of export requirement, the packing and courier charges will be extra (as per actuals).
- ix) **By-hand material collection:** Material availability may be got confirmed before coming personally for material collection. Material will be handed over to the authorized person only upon receipt of full payment (INR/USD).
- x) **Contact details: E-mail:** cqcb@ncbindia.com; ncb.cqc@gmail.com.  
**Telephone:** +91 129-4192303; 4192291, 4192239

**#Procedure for payment by SBI Collect is available on our website- <http://www.ncbindia.com>.**



**FORM 1**

**Centre for Quality Management, Standards & Calibration Services  
National Council for Cement and Building Materials  
Ballabgarh**

**CRM Purchase Request Form**

Name of the Organization .....

Address .....

.....

Name of the contact person: ..... Designation: .....

Telephone: ..... Fax: .....

e-mail: ..... Mobile: .....

We wish to place request for purchase of following CRMs:

S.N.	CRM/BND Name	CRM/BND No.	Quantity	Application QC/R&D)

1. The charges, including GST, have been deposited.

2. Payment Amount: Rs. ....

i Bank Name ..... Payment Mode: SBI Collect

Ref. .... dated ..... GST No. ....

Date:

Authorized Signatory

1. Request received (in person) as per details mentioned by the client.

2. Request received vide letter/mail dated.....

3. Payment invoice No. .... dated .....

4. Kindly authorize release of above type and quantity of CRMs requested by the client.

**Technical Asst./Asst. Manager**

**PL-SRM**

**HOC-CQC**

**Certificate Details:**

SRMF 1  
Date of Issue: ----  
Revision: 06 (29.06.20)