

Centre for Quality Management, Standards and Calibration Services (CQC)

NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS

34 KM Stone, Delhi-Mathura Road (NH 2), Ballabgarh-121004 (Haryana), India
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CHARGES OF CERTIFIED REFERENCE MATERIALS (CRMS) / BHARATIYA NIRDESHAK DRAVYA (BND) – (w.e.f. 1st April 2019)

CRM/BND No.	Material	Parameter	Charges Per Set	
			Rs.	USD
5001	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 250 - 300 m ² /kg)	5500.00	150
5021	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 300 - 350 m ² /kg)	5500.00	150
5011	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness : 400 - 450 m ² /kg)	5500.00	150
5004	Fly Ash	Blaine's fineness & Specific gravity	5500.00	150
5007	White Portland Cement	Blaine's fineness & Specific gravity	6600.00	180
5002	Portland Pozzolana Cement	Blaine's fineness & Specific gravity	5500.00	150
1002B	Blast Furnace Slag	Blaine's fineness & Specific gravity	5500.00	150
5003	Portland Slag Cement	Blaine's fineness & Specific gravity	5500.00	150
1002D	Calcined Clay Pozzolana	Blaine's fineness & Specific gravity	5500.00	150
5006	Composite Cement	Blaine's fineness & Specific gravity	5500.00	150
1002G	Cement	Residue on 45 µm sieve (wet sieving)	11050.00	370
1007	Gypsum	Combined water, SiO ₂ (+Acid insoluble), R ₂ O ₃ , CaO, MgO, SO ₃ , Cl, & Purity	9600.00	255
1008	Limestone	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, Mn ₂ O ₃ , TiO ₂ , P ₂ O ₅ , Na ₂ O & K ₂ O	9600.00	255
1010	Hydrated Lime (for LR test)	CaO, MgO, SiO ₂ , IR, specific gravity & Residue on 12 µm sieve	5200.00	150
1011	Clay	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, Mn ₂ O ₃ , TiO ₂ , P ₂ O ₅ , Na ₂ O & K ₂ O	9600.00	255
5051	Ordinary Portland Cement	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, Mn ₂ O ₃ , TiO ₂ , P ₂ O ₅ , SO ₃ , IR, Na ₂ O, K ₂ O & Cl	9600.00	255
1013	White Portland Cement	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & Cl	9600.00	255
1014	Oil Well Cement	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & free lime	9600.00	255
1015	Clinker (F1)	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & Cl	8800.00	240
1015	Clinker (F2)	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O, Cl, Mn ₂ O ₃ & TiO ₂	9600.00	255
5052	Portland Pozzolana Cement	LOI, MgO, SO ₃ , IR, Na ₂ O, K ₂ O & Cl	9600.00	255
1017	Portland Slag Cement	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, Mn ₂ O ₃ , TiO ₂ , P ₂ O ₅ , SO ₃ , Na ₂ O, K ₂ O, Cl & Sulphide Sulphur	9600.00	255
1022	Raw Meal (A1)	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & Cl	8800.00	240
1022	Raw Meal (A2)	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O, Cl, Mn ₂ O ₃ & TiO ₂	9600.00	255
5054	Fly Ash	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ & Cl	9600.00	255
1028	Flow Table CRM	Two-component material	8200.00	225
1030	Blast Furnace Slag	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , IR, Na ₂ O, K ₂ O, TiO ₂ , Mn ₂ O ₃ & sulphide sulphur	9600.00	255
1031A	Coal	Moisture content (indicative value), Ash content, Volatile matter, Sulphur & Calorific value (values based on dry basis)	9600.00	255

CRM No.	Material	Parameter	Charges Per Set	
			Rs.	USD
1031B	Coal	Moisture content (indicative value), Ash content, Volatile matter, Sulphur & Calorific value (values based on as- received and air-dried basis)	9600.00	255
1032A	Ordinary Portland Cement	Normal consistency Quantity: 1 kg (2 × 500 g)	8800.00	240
1032B	Portland Pozzolana Cement	Normal consistency Quantity: 1 kg (2 × 500 g)	8800.00	240
1033A	Ordinary Portland Cement	Setting time Quantity: 1 kg (2 × 500 g)	8800.00	240
1033B	Portland Pozzolana Cement	Setting time Quantity: 1 kg (2 × 500 g)	8800.00	240
1034A3	Ordinary Portland Cement	3-day (72 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1034A7	Ordinary Portland Cement	7-day (168 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1034A28	Ordinary Portland Cement	28-day (672 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1034B3	Portland Pozzolana Cement	3-day (72 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1034B7	Portland Pozzolana Cement	7-day (168 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1034B28	Portland Pozzolana Cement	28-day (672 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9200.00	250
1035	Fly Ash	Lime reactivity Quantity: 300 g (2 × 150 g)	9200.00	250
1036	OPC with residue on 90 µm sieve	Residue on sieve: 4 × 10 g	5800.00	150
1037	Fly ash (3 packs) for ROS: i) 300 & 150 µm (dry sieving) ii) 75 µm (wet sieving) iii) 45 µm (wet sieving)	Residue on sieve: 2 × 100 g 2 × 100 g 2 × 100 g	11000.00	306
1038	Three grades of sand (3 packs) for ROS: i) Coarse – 2 mm & 1 mm sieve ii) Medium – 1 mm & 500 µm sieve iii) Fine – 500 µm & 90 µm sieve	Residue on sieve: 2 × 100 g 2 × 100 g 2 × 100 g	11000.00	306
1039	Laterite/Iron Ore	Moisture content (indicative value), SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & Cl	9600.00	255
1040	Silica Fume/Micro Silica	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, Na ₂ O, K ₂ O & Cl	9600.00	255
1041	Red Ochre/Bauxite	Moisture content (indicative value), SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , Na ₂ O, K ₂ O & Cl	9600.00	255
1042	Pet coke	Moisture content (indicative value), Ash content, Volatile matter, Sulphur & Calorific value	9600.00	255
1043	Composite Cement	LOI, SiO ₂ , Fe ₂ O ₃ , Al ₂ O ₃ , CaO, MgO, SO ₃ , IR, Na ₂ O, K ₂ O & Cl	8800.00	240

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 **RTGS/NEFT/SB Collect#** only.
- v) **GST No. is 06AAATN2477N1Z6**
- vi) **E-payment details:** Beneficiary Name-National Council for Cement & Building Materials
Account No. 10383962218, State Bank of India, Type of Account-Savings, Address – Cement Research Institute of India, Sector – 4, Faridabad 121004 (Haryana) India, Branch Code – 03794, MICR Code – 110002194 and IFSC Code SBIN0003794.
- 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; 2302304

#Procedure for payment by SB 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 NamePayment Mode: Bank Transfer/SB Collect

Ref. dated

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

HOC-CQC

Certificate Details:

SRMF 1
Date of Issue: 28.09.18
Revision: 04