

**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  
 Telephone: (0129) 4192239/2302422 (D), 2242051, 4192222; Fax: (0129) 2242100  
 E-mail: [cqcb@ncbindia.com](mailto:cqcb@ncbindia.com); [ncb.cqc@gmail.com](mailto:ncb.cqc@gmail.com); Website: [www.ncbindia.com](http://www.ncbindia.com)

**CHARGES OF CERTIFIED REFERENCE MATERIALS (CRMS) – (w.e.f. 1<sup>st</sup> April 2017)**

CRM No.	Material	Parameter	Charges (per set)	
			Rs.	USD
1001FC	Fly Ash	Blaine's fineness & Specific gravity	5500.00	120
1002B	Blast Furnace Slag	Blaine's fineness & Specific gravity	5500.00	120
1002D	Calcined Clay Pozzolana	Blaine's fineness & Specific gravity	5500.00	120
1007	Gypsum	Combined water, SiO <sub>2</sub> (+Acid insoluble), R <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Cl, & Purity	9600.00	205
1008	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	9600.00	205
1010	Hydrated Lime (for LR test)	CaO, MgO, SiO <sub>2</sub> , IR, specific gravity & Residue on 212 µm sieve	4800.00	100
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	205
1012	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> , P <sub>2</sub> O <sub>5</sub> , SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	205
1015	Clinker (F1)	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	8650.00	190
1015	Clinker (F2)	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	205
1016	Portland Pozzolana Cement	LOI, MgO, SO <sub>3</sub> , IR, Na <sub>2</sub> O, K <sub>2</sub> O & Cl	9600.00	205
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 & Sulphide Sulphur	9600.00	205
1022	Raw Meal (A1)	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	8650.00	190
1022	Raw Meal (A2)	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	205
1023	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	9600.00	205
1031A	Coal	Moisture content (indicative value), Ash content, Volatile matter, Sulphur and Calorific value (values based on dry basis)	9600.00	205
1031B	Coal	Moisture content (indicative value), Ash content, Volatile matter, Sulphur and Calorific value (values based on as-received and air-dried basis)	9600.00	205
1032A	Ordinary Portland Cement	Normal consistency Quantity: 1 kg (2 × 500 g)	8650.00	190
1032B	Portland Pozzolana Cement	Normal consistency Quantity: 1 kg (2 × 500 g)	8650.00	190
1033A	Ordinary Portland Cement	Setting time Quantity: 1 kg (2 × 500 g)	8650.00	190
1033B	Portland Pozzolana Cement	Setting time Quantity: 1 kg (2 × 500 g)	8650.00	190
1034A3	Ordinary Portland Cement	3-day (72 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200
1034A7	Ordinary Portland Cement	7-day (168 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200

CRM No.	Material	Parameter	Charges (per set)	
			Rs.	USD
1034A28	Ordinary Portland Cement	28-day (672 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200
1034B3	Portland Pozzolana Cement	3-day (72 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200
1034B7	Portland Pozzolana Cement	7-day (168 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200
1034B28	Portland Pozzolana Cement	28-day (672 hrs.) Compressive strength Quantity: 600 g (3 × 200 g)	9100.00	200
1035	Fly Ash	Lime reactivity Quantity: 300 g (2 × 150 g)	9100.00	200
1039	Laterite/Iron Ore	Moisture content (indicative value), 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	205
1040	Silica Fume/Micro Silica	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	205
1041	Red Ochre/Bauxite	Moisture content (indicative value), 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	205
1042	Pet coke	Moisture content (indicative value), Ash content, Volatile matter, Sulphur & Calorific value	9600.00	205
1036	OPC with residue on 90 µm sieve	Residue on sieve: 4 × 10 g	5650.00	120
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	245
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	245
1043	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	8550.00	190
1001A	Ordinary Portland Cement	Blaine's fineness & Specific gravity	5500.00	120
1001C	Ordinary Portland Cement	Blaine's fineness & Specific gravity (Fineness > 360 m <sup>2</sup> /kg)	5500.00	120
1002A	Portland Pozzolana Cement	Blaine's fineness & Specific gravity	5500.00	120
1002C	Portland Slag Cement	Blaine's fineness & Specific gravity	5500.00	120
1002E	Composite Cement	Blaine's fineness & Specific gravity	5500.00	120
1002G	Cement	Residue on 45 µm sieve (wet sieving)	11050.00	245
1001W	White Portland Cement	Blaine's fineness & Specific gravity	6600.00	145
1028	Flow Table CRM	Two-component material	8200.00	180
1030	Blast Furnace Slag	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, TiO <sub>2</sub> , Mn <sub>2</sub> O <sub>3</sub> & sulphide sulphur	8650.00	190

**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](mailto:cqcb@ncbindia.com); [ncb.cqc@gmail.com](mailto: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 .....

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

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

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

We wish to place request for purchase of following CRMs:

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

1. The charges, including service tax, have been deposited.
2. Payment Amount: Rs. ....
  - i. Cash: Receipt No. ....dated .....
  - ii. Cheque/e-Cheque/DD No. .... dated .....
  - iii. Bank Transfer: Bank Name and Transaction ID ..... dated .....

Date:

Authorized Signatory

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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: 20.11.14 Revision: 03
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