

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) – (w.e.f. 1st April 2018)

| CRM No. | Material | Parameter | Charges Per Set | |
|---------|-----------------------------|--|-----------------|-----|
| | | | Rs. | USD |
| 1001A | Ordinary Portland Cement | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1001C | Ordinary Portland Cement | Blaine's fineness & Specific gravity (Fineness > 360 m ² /kg) | 5500.00 | 150 |
| 1001FC | Fly Ash | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1001W | White Portland Cement | Blaine's fineness & Specific gravity | 6600.00 | 180 |
| 1002A | Portland Pozzolana Cement | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1002B | Blast Furnace Slag | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1002C | Portland Slag Cement | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1002D | Calcined Clay Pozzolana | Blaine's fineness & Specific gravity | 5500.00 | 150 |
| 1002E | 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 212 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 |
| 1012 | 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 |
| 1016 | 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 |
| 1023 | 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 |
| 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 |

| CRM No. | Material | Parameter | Charges Per Set | |
|---------|--|--|-----------------|-----|
| | | | Rs. | USD |
| 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 Name | CRM No. | Quantity | Application QC/R&D) |
|------|----------|---------|----------|------------------------|
| | | | | |
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1. The charges, including GST, 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:

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| SRMF 1 Date of Issue: 20.11.14 Revision: 03 |
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