

**MONGLA CEMENT FACTORY**  
**MONGLA, BAGERHAT**

(A Project of Sena Kalyan Sangstha)

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**EXTENSION OF TENDER SUBMISSION DEADLINE FOR SUPPLY OF GRINDING MEDIA, MCF**

Techno-commercial offers are invited from bonafide Manufacturers/Suppliers/Indenters for the supply of 90 MT Grinding Media from any reputed manufacturer of any origin/country to Mongla Cement Factory (MCF), Mongla, Bagerhat, Bangladesh. Interested tenderers are requested to drop their tenders in the tender box kept in the office of Business Division-1 at the address mentioned below before 07 January 2026 by 10:00 hours BST. The tenders will be opened on the same day at 10:30 hours BST in the presence of tenderers (if any). The tender schedule will be available from the Business Division-1, Sena Kalyan Sangstha, SKS Tower (5th Floor), 7 VIP Road, Mohakhali, Dhaka-1206, upon submission of an application on the official letterhead pad and payment of Tk. 2000/- (non-refundable) during office hours.

Sena Kalyan Sangstha reserves the right to accept or reject any or all tenders without assigning any reason whatsoever. Bidders are requested to submit earnest money and fill up Part-4 and Part-5; otherwise, the tender offer may be rejected. The Letter of Credit (L/C) will not be opened until the Performance Guarantee (PG) is submitted. In case of offers in local currency (BDT), the PG must be submitted after the offer has been accepted and the acceptance letter has been issued. Attached: Technical Specification – 02 pages. Suppliers shall submit hard copies of both the Technical Offer and Financial Offer separately, each sealed in one envelope, with duplicate copies in another envelope, addressed to the Deputy Director General, Business Division-1, SKS Tower, Mohakhali, Dhaka.

**Deputy Director General  
Business Division-1  
Sena Kalyan Sangstha**

Published Date: 22 Dec 2025

## PART-5

### DETAIL SPECIFICATION OF GRINDING MEDIA

| <u>Grinding Media size: Dia 80 mm to 90 mm</u>   | <u>Grinding Media size: Dia 20 mm to 40 mm</u>   |
|--|--|
| <b>A-1. <u>Mechanical parameter</u></b>          | <b>A-2. <u>Mechanical parameter</u></b>          |
| Material : High Chrome                           | Material : High Chrome                           |
| Hardness : 59-62 HRC                             | Hardness : >60 HRC                               |
| Toughness (J/cm <sup>2</sup> ) : > 2.5           | Toughness (J/cm <sup>2</sup> ) : 1.5-2.0         |
| Wear rate (for OPC at a blaine 3200) : <40gm/Ton | Wear rate (for OPC at a blaine 3200) : <40gm/Ton |
| Percentage breakage & deformity : <1%            | Percentage breakage & deformity : <1%            |
| Microstructure : To be mentioned                 | Microstructure : To be mentioned                 |
| <b>B-1. <u>Chemical composition</u></b>          | <b>B-2. <u>Chemical composition</u></b>          |
| <b>Element</b>                                   | <b>Element</b>                                   |
| C (Carbon) : 2-3%                                | C (Carbon) : 2.5-3.5%                            |
| Mn (Manganese) : 0.6-1.2%                        | Mn (Manganese) : 0.6-1.2%                        |
| Si (Silicon) : 0.3-1.0%                          | Si (Silicon) : 0.3-1.0%                          |
| P (Phosphorus) : <0.04%                          | P (Phosphorus) : <0.05%                          |
| S (Sulphur) : <0.5%                              | S (Sulphur) : <0.5%                              |
| <b>Cr (Chromium)</b> : 17-21%                    | <b>Cr (Chromium)</b> : 11-16%                    |
| Ni (Nickel) : 0.3-0.8%                           | Ni (Nickel) : 0.2-0.5%                           |
| Mo (Molydenum) : 0.2-0.6%                        | Mo (Molydenum) : 0.2-0.6%                        |
| Cu (Copper) : <0.3%                              | Cu (Copper) : <0.3%                              |

#### **C. Quality Assurance & Testing:**

Manufacture should provide following:

- 1) Certificate of analysis (COA): For each heat treatment/lot; confirming chemical composition (B-1 & B-2).
- 2) Mill Test Certificate (MTC): Confirming mechanical/physical properties /parameter (A-1 & A-2).
- 3) Regular Lot Inspection: For dimensional checks and visual inspection to ensure that manufactured Grinding Media are free from defects like gas holes, fins, or flat spots.

#### **D. General Requirement:**

- 1) All Mechanical properties & Chemical composition of Grinding Media must be comply with the given specification and specified ranges.
- 2) All Mechanical properties & Chemical composition of material must be examined by microscopic analysis.
- 3) The Grinding Media surface should not be rough and uneven and smooth surface and circular shape must be maintained.
- 4) Material should have corrosion and oxidation resistance. Therefore, Grinding Media must be free from corrosion and oxidation i.e., rusts.
- 5) Grinding Media should have wear resistance, Grinding ability, and toughness.
- 6) Material should be of any origin of any reputed manufacturer.
- 7) Supply experience in Bangladeshi Cement factories will be treated as an advantage for eligibility.

**E. Other information needed for submission:**

| Sl# | Items name  | Info  | Bidder's offer |
|-----|---|---|----------------|
| 1   | Principle Name & address: By Bidders  | To be mentioned   |                |
| 2   | Local Agent Name & address: By Bidders  | To be mentioned   |                |
| 3   | Country of origin (India/China/UK/EU/Equivalent)  | To be mentioned   |                |
| 4   | Total CFR/CPT Price Chattogram/Mongla/Benapole (US \$/EURO)   | To be mentioned   |                |
| 5   | <b>Inspection &amp; Test and Payment mode:</b> For Import/LC offer: Third party SGS/Bureau Veritas,etc cost will be included in CFR . If any then <b>Payment</b> will be after completion of PSI (BDT) by supplier. | To be mentioned   |                |
| 6   | <b>Transportation Cost with loading &amp; unloading and Payment mode:</b> (Port to MCF site) in BDT   | To be mentioned   |                |
| 7   | <b>Mode of Payment</b>  | As per Part-7, Article-15   |                |
| 8   | <b>Liquidated damage (LD):</b>  | As per Part 7, Article 17   |                |
| 9   | 1% of the quoted price as earnest money in the form of a Demand Draft/Pay Order   | To be mentioned   |                |
| 10  | 10% PG of quoted Price  | To be mentioned   |                |
| 11  | <b>Warranty:</b> Minimum 1 year on the basis of wear rate, breakage & deformity (As per standard)   | To be mentioned   |                |
| 12  | After sale service for 10 years   | To be mentioned   |                |
| 13  | Certificate (Authorization etc.)  | To be mentioned   |                |
| 14  | Offer Validity  | 90 days   |                |
| 15  | Experience (similar) in Bangladesh & abroad   | To be mentioned   |                |
| 16  | Port of shipping (If Import/LC by Buyer offer)  | To be mentioned   |                |
| 17  | Latest Shipment Date (If Import/LC by Buyer offer)  | To be mentioned   |                |
| 18  | Arrival date at MCF, Mongla, Bagerhat, Bangladesh   | To be mentioned   |                |
| 19  | H.S code (BD)   | To be mentioned   |                |
| 20  | LC opening Bank   | LC Issuing from Trust Bank, BD (Others Bank will not be Accepted) |                |