



Cement Corporation of India Limited
Bokajan Cement Factory
Dist. KarbiAnglong (Assam)

A Bid has created on GeM with BID NO: GEM/2024/B/4860189, Dtd. 13.04.2024 for procurement of High Alumina Dense Castable LC-90 and 90% Alumina LC castable for CCI-Bokajan through GeM. Detail of which is given below,

Sl. No.	Item Description	Unit	Quantity Required
1	Item Description- High Alumina Dense Castable LC-90 ; Make – Industrial Associate/ Dalmia/ ABS Refractories only Detail Specification -- Enclosed	MT	05
2	Item Description- 90% Alumina LC Castable ; Make – Calderys Detail Specification -- Enclosed	MT	05

Interested bidder may participate through GeM.
GeM bid is as below

HOD (MM)

Address: -
Cement Corporation of India Ltd.,
Bokajan Cement Factory – 782 490,
Dist. KarbiAnglong, Assam.
Website: www.ccilttd.in

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	29-04-2024 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	29-04-2024 15:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Heavy Industries And Public Enterprises
Department Name/विभाग का नाम	Department Of Heavy Industry
Organisation Name/संगठन का नाम	Cement Corporation Of India Limited (cci)
Office Name/कार्यालय का नाम	Assam
Total Quantity/कुल मात्रा	10
Item Category/मद केटेगरी	Low Cement Castable LC - 90 (Q3)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance/विगत प्रदर्शन	70 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	Low Cement Castable LC - 90
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	4 Days

Bid Details/बिड विवरण	
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Is Part Quantity Bidding Allowed?	Yes
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	28665

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	12

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

HOD(MM)

ASSAM, Department of Heavy Industry, Cement Corporation of India Limited (CCI), Ministry of Heavy Industries and Public Enterprises
(Chinmay Nandi)

Splitting/विभाजन

Splitting Applied	Yes
Maximum No. Of Bidders Amongst Which Order May Be Split	2
Split Criteria based on which quantity will be distributed	1

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
--	-----

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
---	-----

1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
4. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

Part Quantity Bidding

Buyer has allowed part quantity bidding, bidders can offer maximum quantity that they can deliver keeping in mind their capacity and delivery period requirements. The offer quantity has to be more than minimum bid quantity as specified by the Buyer in the bid. Offers with quantity less than Minimum are liable to be rejected. It may however be noted that there is no guarantee that full offer quantity will be ordered by the buyer. Quantity to be ordered by the buyer will depend on various factors including the Ranking of the bidder, Offered quantity, Splitting criteria indicated by the buyer in the bid and the requirement of the buyer to have multiple sources of supply for ensuring supply chain etc. Sellers would be notified about likely order quantity or range of possible order quantity at the time of price match request made by the buyer. Award of contract will be subject to acceptance of price match request along with min / max offer quantity as decided by the Buyer.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 70% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Itemwise Minimum Capacity Required From Seller

S.No.	Item Category	Item Quantity	Minimum Capacity
1	Low Cement Castable LC - 90	5	2
2	Low Cement Castable LC - 90	5	2

Low Cement Castable LC - 90 (5 metric tonne)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

[* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार](#)

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Packing and Marking	Packing	HDPE bag
Test Report Details	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Yes
	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Yes

Additional Specification Parameters - Low Cement Castable LC - 90 (5 metric tonne)

Specification Parameter Name	Bid Requirement (Allowed Values)
Material Description	High Alumina Dense Castable LC-90
Make	Industrial Associate/ Dalmia/ ABS Refractories only
Detail Specification	As per ATC attached

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Vipin Kumar	782490,CEMENT CORPORATION OF INDIA LIMITED BOKAJAN CEMENT FACTORY	5	30

Low Cement Castable LC - 90 (5 metric tonne)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

[* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार](#)

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Packing and Marking	Packing	HDPE bag
Test Report Details	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Yes
	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Yes

Additional Specification Parameters - Low Cement Castable LC - 90 (5 metric tonne)

Specification Parameter Name	Bid Requirement (Allowed Values)
Material Discription	90% Alumina LC Castable
Make	Calderys
Product Name	ACCMON 90
Detail Specification	As per ATC attached

* Bidders offering must also comply with the additional specification parameters mentioned above.

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Vipin Kumar	782490,CEMENT CORPORATION OF INDIA LIMITED BOKAJAN CEMENT FACTORY	5	30

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Scope of Supply

Scope of supply (Bid price to include all cost components) : Only supply of Goods

3. Generic

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 2 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

4. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

5. Generic

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

6. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

7. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

8. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

9. Warranty

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

10. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

SPECIFICATION FOR : HYDRAULIC HIGH ALUMINA DENSE CASTABLE LC-90

GENERAL PROPERTIES

MAX.SERVICETEMPERATURE:	1750°C
MAXIMUMGRAINSIZE:	5mm
WATERREQUIREDFORCASTING:	5-6%

CHEMICAL ANALYSIS, %

	RANGE	DESIRABLE VALUE	TEST PROCEDURE
Al ₂ O ₃	90.00-93.00	90.0	BIS12107Part3
Fe ₂ O ₃	0.2-0.8	0.5	BIS12107Part6
CaO	1-2.5	1.5	ASTMC573

PHYSICAL PROPERTIES

	RANGE	DESIRABLE VALUE	TEST PROCEDURE
Dry density, g/cc after drying at 110°C/24hrs	2.90-3.05	2.90	BIS10570
CCS, kg/cm ² after drying at 110°C/24hrs after heating at 1100°C/3hrs after heating at 1500°C/3hrs	900-1000 1050-1150 1150-1250	950 1100 1200	BIS10570 BIS10570 BIS10570
% Retained on maximum size	0-5	0.8	BIS1528 Part 14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton/°C		+37/+1820	BIS1528 Part 1
PLC, % after heating at 1100°C/3hrs after heating at 1550°C/3hrs	(-0.40) to (+0.20) (-0.5) to (0.5)	+ -0.20 + -0.4	BIS10570 BIS10570

Packaging: 25/ 50kg bags

SPECIFICATION FOR : 90% ALUMINA LC CASTABLE

PRODUCT : ACCMON90
PRODUCT CLASS : REFRACTORY MONOLITHIC
TYPE : 90% ALUMINA LC CASTABLE
NATURE OF BOND : HYDRAULIC
INSTALLATION : VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE: 1700°C
 MAXIMUM GRAIN SIZE: 6mm
 WATER REQUIRED FOR CASTING: 4.0-5.0%

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	86-90	86.3	BIS12107Part3
Fe ₂ O ₃	0.90-1.50	1.15	BIS12107Part6
CaO	1.50-2.00	1.70	ASTMC573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g/cc after drying at 110°C/24hrs	2.95-3.10	3.05	BIS10570
CCS, kg/cm ² after drying at 110°C/24hrs after heating at 1100°C/3hrs after heating at 1550°C/3hrs	800-1000 900-1250 1100-1280	983 1196 1235	BIS10570 BIS10570 BIS10570
% Retained on maximum size	0-5	3.0	BIS1528Part14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton/°C		+37/+1820	BIS1528Part1
PLC, % after heating at 1550°C/3hrs	+1.80 to -0.5	+1.42	BIS10570

Packaging: 25kg bags

Condition: Dry

Delivery Status:

Storage Life: Best till 6 months from the date of production, if stored in proper condition.

Note:

- (1) The data are current production averages. They cannot be used as limits for specification.
- (2) Extended Storage Life can be achieved when the product is supplied in 2-pack.

11. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

12. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

Cement Corporation of India Limited
Account No.
33067285257
IFSC Code
SBIN0002028
Bank Name
State Bank of India
Branch address
Bokajan

Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

13. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

Cement Corporation of India Limited
Account No.
3306728525
IFSC Code
SBIN0002028
Bank Name
State Bank of India
Branch address
Bokajan

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

14. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

15. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and

resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action

in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---

SPECIFICATION FOR : HYDRAULIC HIGH ALUMINA DENSE CASTABLE LC-90

GENERAL PROPERTIES

MAX.SERVICE TEMPERATURE:	1750°C
MAXIMUM GRAIN SIZE:	5mm
WATER REQUIRED FOR CASTING:	5–6%

CHEMICAL ANALYSIS, %

	RANGE	DESIRABLE LEVEL UE	TEST PROCEDURE
Al ₂ O ₃	90.00–93.00	90.0	BIS12107Part3
Fe ₂ O ₃	0.2–0.8	0.5	BIS12107Part6
CaO	1–2.5	1.5	ASTM C573

PHYSICAL PROPERTIES

	RANGE	DESIRABLE LEVEL UE	TEST PROCEDURE
Dry density, g/cc after drying at 110°C/24hrs	2.90–3.05	2.90	BIS10570
CCS, kg/cm ² after drying at 110°C/24hrs after heating at 1100°C/3hrs after heating at 1500°C/3hrs	900–1000 1050–1150 1150–1250	950 1100 1200	BIS10570 BIS10570 BIS10570
% Retained on maximum size	0–5	0.8	BIS1528Part14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton/°C		+37/+1820	BIS1528Part1
PLC, % after heating at 1100°C/3hrs after heating at 1550°C/3hrs	(-0.40) to (+0.20) (-0.5) to (0.5)	+/-0.20 +/-0.4	BIS10570 BIS10570

Packaging: 25/ 50kg bags

PRODUCT	: ACCMON90
PRODUCT CLASS	: REFRACTORY MONOLITHIC
TYPE	: 90% ALUMINA LCCASTABLE
NATURE OF BOND	: HYDRAULIC
INSTALLATION	: VIBRATION CASTING

GENERAL PROPERTIES

MAX. SERVICE TEMPERATURE:	1700°C
MAXIMUM GRAIN SIZE:	6mm
WATER REQUIRED FOR CASTING:	4.0–5.0%

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	86–90	86.3	BIS12107Part3
Fe ₂ O ₃	0.90–1.50	1.15	BIS12107Part6
CaO	1.50–2.00	1.70	ASTMC573

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Dry density, g/cc after drying at 110°C/24hrs	2.95–3.10	3.05	BIS10570
CCS, kg/cm ² after drying at 110°C/24hrs	800–1000	983	BIS10570
after heating at 1100°C/3hrs after	900–1250	1196	BIS10570
heating at 1550°C/3hrs	1100–1280	1235	BIS10570
% Retained on maximum size	0–5	3.0	BIS1528Part14

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton/°C		+37/+1820	BIS1528Part1
PLC, % after heating at 1550°C/3hrs	+1.80 to –0.5	+1.42	BIS10570

Packaging: 25kg bags

Delivery State: Dry

Storage Life: Best till 6 months from the date of production, if stored in proper condition.

Note:

- (1) The data are current production averages. They cannot be used as limits for specification.
- (2) Extended Storage Life can be achieved when the product is supplied in 2-pack.