

# EASTERN COALFIELDS LIMITED

(A Subsidiary of Coal India Limited)  
Office of the General Manager  
Jhanjra Area, P.O.: Jhanjra (B.O.), PIN: 713385  
Dist.: Burdwan, West Bengal  
Ph: 0341-2672365, Fax: 0341-2672352



Ref.No.GM/JNR/PUR/ENQ/11-12/320

Date 24.01.2012

## TENDER NOTICE

Sealed quotations are invited from the experienced and DGMS approved manufacturers for supply of the following materials.

Tender No. & Date	Item	Tender fee Including VAT(Rs.)	Earnest Money (Rs)	Due date & time of Opening (part-1)	Last date of Sale of tender paper
GM/JNR/PUR /ENQ/11-12/320 Dated.24.01.12	1) DGMS approved Fast Setting Resin Capsule size-24mm x 300mm Quantity: 67500 Nos. 2) DGMS approved Slow Setting Resin Capsule size-24mm x 525mm Quantity: 67500 Nos.	2270.00 (non refundable)	90000/-	3.30 pm On 21.03.12	16.03.12

The tender document can be had from the office of the undersigned from 12.03.12 to 16.03.12 on any working day between 10.00a.m. to 12.00 noon (excepting Saturday, Sunday & Holiday) on payment of necessary tender fees either by cash or in the form of demand draft duly drawn in favour of `EASTERN COALFIELDS LIMITED,A/C. JHANJRA PROJECT` payable at SBI, Asansol. The tender documents can also be downloaded from web site [www.easterncoal.gov.in](http://www.easterncoal.gov.in)/[www.tenders.gov.in](http://www.tenders.gov.in) and tender fee shall have to be deposited along with the quotations at the time of submission of tender.

General Manager  
Jhanjra Area

Cc to: PRM, ECL, Sanctoria-with a request to give wide publication in leading news paper and web site.CD and hard copies are being sent for the purpose.

Cc to: AFM/Area Safety Officer/Area Engr (E&M)/MM, Jhanjra Area.

Cc to: Ch.Cashier, Jhanjra Area.

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1. DGMS approved Fast Setting Resin Capsule size-24mm x 300mm. Quantity: 67500 Nos.
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Tender No. GM/JNR/PUR/ENQ/11-12/ 320

Date. 24.01.2012

Tender fee: Rs.2270.00 (inclusive of VAT @ 13.5% ) (non refundable)

The tender document can be had from the office of the undersigned from 12.03.12 to 16.03.12 on any working day between 10.00a.m. to 12.00 noon (excepting Saturday, Sunday & Holiday) on payment of necessary tender fees either by cash or in the form of demand draft duly drawn in favour of `EASTERN COALFIELDS LIMITED,A/C. JHANJRA PROJECT` payable at SBI, Asansol. The tender documents can also be downloaded from web site [www.easterncoal.gov.in/www.tenders.gov.in](http://www.easterncoal.gov.in/www.tenders.gov.in) and tender fee shall have to be deposited along with the quotations at the time of submission of tender.

The tender is due for submission up to 1.00 p.m. on ...21.03.12. & the part-1 will be opened on the same day at 3.30 pm in the presence of attending tenderers.

Tenders should be submitted in sealed cover containing two separate sealed envelopes- Cover -1 for technical bid and the Cover-2 for price bid and both the covers should be put in Cover-III. On the date of opening of tender, only the technical bids will be opened.

All the covers must be superscribed with the tender number & date, date of opening and Cover number and are to be put into the tender box provided for the purpose.

## 1) SPECIFICATION OF RESIN CAPSULE AND TECHNICAL PARAMETER

The resin capsules must have valid D.G.M.S. approval and its standards must conform to DGMS circular on subject "Revised standards for testing and use of Resin Capsules as Grouting Materials for Roof bolting " issued vide Circular no. DGMS/S&T/Tech.Cir.( Approval)/no. 03, dated 22/9/10. OR latest amendment

(a) The resin capsule should meet the following requirements.

Sl.No.	SPECIFICATION	FAST SETTING RESIN CAPSULE	SLOW SETTING RESIN CAPSULE
i)	Diameter	24mm+/- 0.5mm*	24mm+/- 0.5mm*
ii)	Length	300mm	525mm
iii)	Gel Time	23 seconds(Minimum) to 54 seconds (Maximum)	134 seconds(Minimum) to 202 seconds(Maximum)
iv)	Setting Time	23 seconds(Minimum) to 54 seconds (Maximum)	134 seconds(Minimum) to 202 seconds(Maximum)
v)	Colour Code	Red	Green
vi)	Shelf Life	6 months	6 months

Note: \* The tolerance on the supplied length shall be the ordered length +0.5mm/ -0.5mm when measured between mechanically crimped ends and shall be tested without squeezing.

Contd.page-2

## (b) Reaction Temperature &amp; Thermal Stability

Reaction Temperature &amp; Thermal Stability of Resin Capsules will be as below

Reaction Temperature( Centigrade)	Not More Than 80
Thermal stability <ul style="list-style-type: none"> <li>At 5 degree centigrade for one hour</li> <li>At 45 degree centigrade for one hour</li> </ul>	The sample shall satisfy the Gel time and setting time criteria as stipulated vide clause a(iii) & a(iv)( Gel time and setting Time)

## © Physico – Mechanical Properties

1	Compressive Strength ( Applicable for Slow set type of Resin Capsules only) <ul style="list-style-type: none"> <li>30 Minutes</li> <li>24 Hours</li> </ul>	<ul style="list-style-type: none"> <li>30 MPa( min)</li> <li>80 MPa ( min)</li> </ul>
2	Bond Strength Test: <ul style="list-style-type: none"> <li>30 Minutes</li> <li>24 Hours</li> </ul>	<ul style="list-style-type: none"> <li>10 Tonnes</li> <li>15 Tonnes</li> </ul>
3	Shear test: The measured strength as per procedure defined in annexure- 1 of above DGMS circular.	The sample shall record a minimum of 19 MPa
4	Shrinkage test( Applicable for Slow set type of Resin Capsules only) <ul style="list-style-type: none"> <li>24 Hours</li> <li>7 days</li> </ul>	<ul style="list-style-type: none"> <li>0.01% (max)</li> <li>0.01% ( max)</li> </ul>

## (d) Other Parameters:

Flammability Test	The product should be of very low flammability
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(e) Short Encapsulation: Short Encapsulation test for the resin grouted bolts and specified performance standards is given in Annexure 3 of above D.G.M.S. circular

The Product must conform to required parameters as below.

Short Encapsulation pull test after <ul style="list-style-type: none"> <li>30 Minutes</li> <li>8 Hours or 24 Hours</li> </ul>	<ul style="list-style-type: none"> <li>10 Tonnes ( for 20 mm dia. roof bolt)</li> <li>12 Tonnes ( for 22 mm dia. roof bolt)</li> <li>15 or 20 Tonnes respectively</li> </ul>
Net displacement measured during the SEPT(mm)	Not more than 15

2. Packaging: All packaging shall be capable of withstanding transportation, handling and storage and handling in mining environment. Each package should be identified with (i) Manufacturer`s identification mark (ii) Batch Number (iii) Date of manufacturing (iv) Date of expiry (v) Quantity (vi) Size (vii) Temperature storage range and (viii) Colour Code (for fast and slow setting).

3. Each capsule should have all the information as (i) Manufacturer`s identification mark (ii) Batch number (iii) Date of manufacturing (iv) Date of expiry (v) Setting time (vi) Size and (vii) Colour code(for fast and slow setting)

4. (a) Capsules shall contain filled resin and catalyst in separate compartments within fragile polythene tubular sheath. When used in roof bolting both resin and catalyst should properly mix during work and should meet both operational and mechanical requirement. Both the ends of the capsules should be mechanically crimped.

(b) Every piece of capsules should have separate retainer fitted so that while it is inserted in the hole, it hold the capsules.

© The mechanical properties of the capsules should be such that it remains tightly erected with out

buckling when hold in hand in a position to insert the capsules in the hole at least 350mm length.

(d) Resin Capsules should not contain such chemicals which has irritating and adverse effects on human skin while handling the capsules.

(e) Hole dia in which the roof bolts is to be inserted shall be 28mm to 29mm. Minimum length of roof bolt to grouted shall be 1.2M of 20-22 mm ribbed steel bar(Tor steel).

5. Operation performance criteria:

(a) Samples drawn at random from the lot of resin capsules supplied in any batch shall be subjected to test for short encapsulation test as per the guidelines given in the Annexure -3 of above D.G.M.S. circular (b). In the case the material is found not meeting the requirement of tender specifications you will be given one chance for replacement of the materials. If replaced material is again found to be unsuitable and not meeting the technical criteria, the consignment shall be rejected without giving any further chance of replacement In such case ECL shall reserve the right to destroy the rejected material at your risk and cost and you will be debarred from participating in at least one tender in the future. However you can be entertained in the next tender only after successful trail order by achieving acceptance test criteria.

N.B: As per DGMS circular letter no. DGMS/S&T/Tech.Cir.(Approval) No.03 Dhanbad dated 22.09.10, Resin Capsules to be supplied for the purpose of supporting roof shall be of such type, standard & make as approved by DGMS and also as per latest amendmend/guideline of DGMS.

6. Test Certificate from the approved bonafide laboratory will have to be submitted with the consignment. Test certificate must cover all the standard parameters as covered by DGMS Circular on subject" Revised standards for testing and use of Resin Capsules as grouting materials" issued vide D.G.M.S. Circular no. DGMS/S &T/Tech.Cir.( Approval)/no. 03, dated 22/9/10 OR latest amendments

7.Earnest Money: An amount of Rs. 90000.00 (Rupees Ninety thousand ) only shall be deposited by the tenderers along with their quotations in the form of Bank Draft duly drawn in favour of `EASTERN COALFIELDS LIMITED, A/C, JHANJRA PROJECT, payable at SBI, Asansol. Earnest money deposit by unsuccessful tenderers shall be refunded immediately after finalization of tender. Earnest money of the successful tenderers will be converted to security money which will be refunded after successful execution of order. Earnest money will be forfeited if any tenderer fails to submit order acceptance within 15 days from the date of order.

8. Security Deposit: The successful tenderers will have to submit Security Deposit within (2) weeks time @ 10% of the value of the awarded contract with out having any ceiling in the form of bank draft, including EMD. S.D will be refunded within 30 days after satisfactory execution of the contract. For unsatisfactory performance and/ contractual failure, the Security Money will be forfeited.

N.B.:If any State/ Central Govt. Organisation / PSU & Valid DGS&D/ NSIC Registered( for tendered items) Firm can produce documentary evidences issued by Govt. Authorities for according exemption towards submission of Earnest Money deposit/ Security Deposit, they may be considered for exemption from submission of Earnest money deposit/ Security Deposit.

9. The rate should be quoted on FOR, Jhanjra Area Store Basis.

10. The price quoted must be firm and valid for acceptance at least for six months from the date of opening of tender.

11. Firm delivery period should be specified.

12. Payment: Within 30 days from the date of receipt and acceptance of the materials at our site against satisfactory performance report. It may be noted that the supplied resin capsules will be tested by RMT during their time to time visit at Jhanjra project site and their test report on quality shall be binding for the acceptance of your product. In case, the materials are not accepted by RMT after test, no payment will be made for the supplies.

13.. Manufacturer`s test certificate along with the supplies in support of materials composition to be submitted.

14. Materials will be inspected by us at our site.

16. Please furnish Trade License No; VAT/Sales tax Registration No. SSI Registration No. if any. Please also submit the professional tax clearance certificate and PAN No., Banker`s name and address and Bank Account number. You have to submit the status / declaration of your firm as per the MICRO, SMALL & MEDIUM ENTERPRISES DEVELOPMENT ACT, 2006 along with the offer.

17. Guarantee/ Warranty: Eighteen months from the date of receipt of the materials at Jhanjra Area Stores or twelve months from the date of installation whichever is earlier against any manufacturing defects/ bad

workmanship.

18. The tenderers must give location and complete address of their works.

19. L.D may be imposed in case of late delivery @ ½% per week or part there of limited to maximum of 10% for the undelivered portion.

20. Delivery: 6000 nos. each per month (quantity of phases may vary).Supply must start within one month of order.

14. Risk Purchase:- In the event of failure of the supplier to deliver the store within the stipulated date/ period of supply order or in the event of breach of any of the terms and conditions mentioned in the supply order, Jhanjra Area has the right to purchase the stores from elsewhere after due notice to the defaulting supplier at the risk and cost of the defaulting supplier. The cost as per risk purchase exercise may be recovered from the Bills against any other supplies pending in the Subsidiary Company and also in any other Subsidiary Companies of CIL.

15. Force Majeure Clause:- The successful bidder will advise, in the event of his having to resort to this clause by a registered letter duly certified by the local Chamber Of Commerce or Statutory authorities, the beginning and the end of the causes of the delay, within 15 days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting out of Force Majeure, ECL will reserve the right to cancel the contract.

21. PRICE FALL CLAUSE: It will be the condition of the contract that all through the currency of the said contract, the price at which the stores will be supplied shall not exceed the lowest price charged by you to any other agency including DGS&D, New Delhi. In the event of price going down, you shall promptly such information to enable ECL to amend the contracted rates for subsequent supplies.

22. The tenderer who will download the tender document from website must enclose demand draft towards tender fee along with their offer.

23. The tender may be opened in the next working day in case the same can not be opened on the scheduled date due to some unforeseen circumstances like Bandh/ strike/holiday etc.

24. Tender papers may be supplied free of cost on demand to all Govt. Undertaking / Ancilliary units of ECL /NSIC registered firms for the same item.

#### IMPORTANT PARAMETER FOR QUALIFYING IN TECHNICAL BID.

1. Manufacturers having experience in supplying the above materials to any Sub Sidiary of CIL/ Govt. Organisation / PSU or to other Mining Industries against regular order should quote along with the copies of such orders received by them in past dully attested by a notary public.
2. The firm must have DGMS approval for Resin capsule. A copy of valid DGMS approval letter dully attested by a notary public must be enclosed.
3. Manufacturers having been declared as proven source at other places and have not got their samples tested at Jhanjra should send 12 nos. of free samples of each category (fast and slow) along with their quotation. The price bid will be opened only after those samples are tested at Jhanjra and result confirm RMT recommendation.

General Manager  
Jhanjra Area