



**BHARAT COKING COAL LIMITED**  
( A Subsidiary of Coal India Limited )  
**Materials Management Department**  
**Commercial Block L-III , Koyla Bhawan : Koyla Nagar**  
**Dhanbad : 826005 (Fax No- 0326-2230181)**

**Tender No:BCCL/ PUR/610285/Lift/Installation/10-11/146**

**Last Date and time of receipt of tender: -Up to 3.00 PM on 19-04-2011**

**Date of opening of tender: -At 3.30 PM on 19-04-2011**

**Cost of tender documents:-** Rs.1000.00 (Rs. One Thousand only) in the form of demand draft of any scheduled Bank in favour of “BHARAT COKING COAL LIMITED” payable at Dhanbad. Those tenderers who have downloaded the tender documents from web site must enclose cost of tender document in the form of demand draft in PART-I ENVELOP otherwise their offer will be rejected without any reference.

Government (State / Central) / Public sector Undertakings are exempted from paying tender fee. Ancillary units of BCCL and firms with NSIC registration for tendered items and are also exempted from paying tender fee for the tendered items.

**Estimated cost of work:-** Rs. 4,25,000.00

**Required Earnest Money:-** Rs.8500.00 (Rs Eight Thousand Five Hundred only) in the form of Demand Draft/Banker's cheque of any scheduled bank in favour of “ *BHARAT COKING COAL LIMITED*” payable at Dhanbad.

i) Any Central / State Government Organization / PSU shall be exempted towards submission of EMD/Security Deposit.

ii) Firms registered with NSIC / DGS&D / Ancillary units of BCCL for tendered items shall also be exempted from submission of EMD / Security Deposit against submission of valid registration certificate. Copies of DGS&D / NSIC Registration submitted by the bidders should be duly attested by Notary Public.

**Tender is invited from proven firms for the installation ,Testing and Commissioning of Elevator { 06 passenger (408kg) capacity} supplied by M/s ThyssenKrupp Elevator (India) Pvt. Ltd. in the Commercial Block { G+4 floors} of Koyla Bhawan, Koyla Nagar,Dhanbad-826005**

**IMPORTANT NOTE: -**

1. Tenders must be submitted in two-bid system. The details of terms & conditions, Demand Draft towards Cost of Tender document and EMD should be submitted with TECHNO-COMMERCIAL BID envelope (Part I) duly sealed and super scribed with tender no. and due date of opening .A Blank copy of price bid (without indicating the price) should be submitted along with the techno-commercial bid (Part-I) The price as per format enclosed as Annexure-III must be given in separate envelope marked as PRICE BID (Part –II) duly sealed and super scribed with tender no. and due date of opening. The two sealed envelopes should be kept in bigger envelop duly sealed and must be super scribed with tender no. and due date of opening. **Hand written offers will be summarily rejected.** Total price for installation, testing and commissioning should be quoted with breakup including taxes and duties.

All pages of tender should be signed with seal of the bidder.

2. A certificate regarding tenderer's detail as per Annexure -I duly signed by the tenderer must be enclosed along with Techno-commercial bid (Part I)
3. Tenders must be submitted strictly as per terms and conditions attached herewith.
4. Proven firm means the firm who have successfully installed elevators in past in any subsidiary of CIL / Govt. Deptt./ PSUs/Private sector along with successful performance. Notary attested copy of such work order and performance certificate should be submitted along with the Techno-commercial bid i.e. Part-1
5. Technical specification of the Elevator supplied by M/s ThyssenKrupp Elevator (India) Pvt. Ltd. is enclosed as Annexure-II.
6. The prospective bidders may inspect the site/materials on any working day with prior permission from this office.

General Manager (MM)

**ANNEXURE- I**

**DETAILS TO BE FURNISHED BY THE TENDERERS :**

1. Name of the Tenderer :
2. Full Address:
3. (a) Address for the purpose of communication..  
(b) Telephone No / Fax No.
4. (a) Full Address of office at Dhanbad  
(b) Telephone No / Fax No.
5. Details of Earnest Deposit :  
(a) Draft No.                      Date.  
(b) Value :  
(c) Name of Issuing Bank
6. Firm Rate :- The rate will be FIRM during contractual period.

**The quotation of the undersigned is submitted against BCCL Tender No. BCCL/ PUR/610285/Lift/Installation/10-11/ 146 after going through terms & conditions of the tender , I/We declare that we would fully abide by them if the contract of is awarded in my/our favour.**

Signature of Tenderer.

Name: -

Address: -

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## **GENERAL TERMS AND CONDITIONS:-**

Sealed tenders are invited from proven firms for installation of elevator { 06 passanger (408kg) capacity}supplied by M/s ThyssenKrupp Elevator (India) Pvt.Ltd. in the Commercial Block { G+4 floors ,Koyla Bhawan,Koyla Nagar,Dhanbad.

1.1 Tender from duly filled in and completed in all respects, valid for 180 days from the date of opening of techno-commercial bid would be received up to 3.00 PM on **19-04-2011** in the office of the General Manager (MM) ,Koyla Bhawan and would be opened on the same day at 3.30 PM on **19-04-2011** in presence of such Tenderer who may like to be present for the purpose.

1.2. 100 % payment will be made against firm's bill with certificate of satisfactory installation by the paying authority within 30 days of submission of bills.

1.3. One signed copy of the terms & conditions together with the Annexures complete in all respects should be submitted with the tender.

1.4 Bharat Coking Coal Ltd. reserves the right to accept or reject any or all tenders either in full or part without assigning reason what so ever.

1.5 The earnest money deposited with the tender will not bear any interest and will be refunded to unsuccessful Tenderer after the tenders has been finally decided.

2.0. Security deposit :-

2.1. Successful Tenderer will be required to furnish Bank Guarantee or Demand Draft for 10% of the contact value with the company for the specific performance of the contract.. The security deposit will be refunded only after successful completion of the contract. The security deposit is liable to be forfeited the contractor fails to perform any of the terms and conditions of the contract.

3.0. Period of completion of installation of elevator : Within 10 weeks from the date of issue of work order.

4.0 The contractor would ensure installation of the elevator in accordance with the the terms and conditions of the contract. If for any reason, the contractor/s fails to comply with any of the terms and conditions the contract BCCL would be at liberty to take the following recourse:-

4.1. To appoint another contactor for the installation of the Elevator The extra cost ,if any, incurred for the installation of the Elevator will be recovered from the defaulting contractor .

5.0 Submission of bill:-

Contractor would submit the bills to General Manager (F)MM Koyla Bhawan (Dhanbad) for payment along with the copy of certificate of successful installation of the elevator.

6.0 Escalation: -

6.0 During the tenure of the contract company would pay to the contractor/s only at the accepted rates and shall not pay anything other than the accepted rates irrespective of contract/s obligations, statutory or otherwise. Price would be firm.

7.0. Statutory obligation: -

8. In case any license is required under the provision of law under any Act/s and Rule/s in force, the contractor/s shall obtain such license at his own cost and abide by the provisions contained therein.

8.0. Labour wages :-

9.0. All wages payment and benefits allowed under statutes and rules framed there under, award wages Board's recommendations any other benefits as would be applicable shall be paid by the contractor to the workers/labourers employed by them for the work. Under normal circumstances the company shall not make any payment to the worker employed by the contractors. In case, however , the contractor defaults to make proper payment to his workers, the company shall discharge the contractor's liability and shall recover the involved amount from the contractor's security deposit.

The contractor shall have no objection to this.

10.1. Compliance of Labour Laws: -

The contractor and his workmen shall abide by all statutory Acts, rules and regulations by laws etc. applicable and are in force from time to time in the coal Mines and also abide by all the instructions and directions given by Company Officials. The tenderer shall also responsible for submission of any returns documents if so required under any Rules framed here under .

10.2 Deployment / Retrenchment / Dismissal

The contractor shall make his own arrangement for an accommodation of his office, staff and also for the workman employee by him, All working tools, shall be supplied and arranged by contractor at his cost.

- The contractor will recruit and employ his workmen for the execution of his contract work and will also discharge, dismiss, transfer, control or otherwise deal with them. The contractor will have to leave the place or work with all the workers employed by them after the contract has been completed/terminated. The contractor shall have to pay the cost of retrenchment, layoff compensation etc. to his workman.
- 10.3The tenderer shall be responsible in case of any accident, injure etc .to his workman and pay them compensation amount as fixed under workman’s compensation Act,1923 and Rules of any amending act.
- 11.0Termination : -
- The contract can be terminated by the company for the unsatisfactory performance of the contract of / for any branch of terms and condition enumerated here and it would not be opened to the contractor to question such a decision of the company.
- 12.00Arbitration : -
- Any dispute arising out of the contract shall be referred to the sole arbitration of the GM (MM) of the company or any other officer nominated by company in the be half of grounds that the arbitrators 6appointed is an officer of the company and that he had to deal with the matters relating to contract in the normal course of the duties and that the said officer had expresses view on any or all the manners under dispute, it would also be a term of the contract that no person other than the General Manager (MM) or officer appointed by the company in this behalf as aforesaid would act as an Arbitrator. The reward of the Arbitration shall be final, conclusive and binding on all parties to the contract subject to the provision of the Arbitration Act,1940 or any statutory modification re-enactment here of and the rules made there under and for the time being in force shall apply to Arbitration see proceedings under this clause.
- Note : All disputes are subject to Dhanbad Court and Jharkhand High Court jurisdiction only.**
- 8.0. Tenderers should preferably have contact address at Dhanbad with telephone No. so that they could be contacted immediately.

GENERAL MANAGER (MM)

Signature & designation of the  
tenderer in acceptance of the  
terms & conditions of the tender.

**TECHNICAL SPECIFICATION OF ELEVATOR .**

NO. OF ELEVATORS	1 No. Elevator for “Commercial Block of Koyla Bhawan”, Dhanbad.
TYPE & CAPACITY	Passenger – 06 Passenger – 408 Kg.
SPEED	1.00 Mtr. / Sec. (approx).
TYPE OF DRIVE	Variable Voltage Variable Frequency Drive with Collective Selective Control.
LOCATION OF MACHINE ROO	Top.
TRAVEL	13.0 Mtrs. (approx).
SERVING	GROUND Floor to 4 <sup>th</sup> . Floor 5 Stops 5 Levels 5 Openings
REQUIRED WELL SIZE	1900 mm. Wide X 1600 mm. Deep (over plaster).
POWER SUPPLY	415 V +/- 10% , Three – phase 50 cycles alternating current.
AUXILLIARY REQUIRED	Single – phase 220 V 50 cycles alternating current.
CAR SIZE (CLEAR INSIDE) APPROX.	1100 mm. Wide X 1000 mm. Deep
REQUIRED PIT DEPTH	1600 mm.
REQUIRED HEAD ROOM	4800 mm.
CAR ENCLOSURE	Stainless Steel Hair Line Finished Car.
FLOORING	PVC Flooring.
ELECTRIC LIGHT	Spot Light.
FAN	400 mm. / 300 mm. Sweep one number.
NO. OF ENTRANCES	One Location – Front.
CAR ENTRANCE	Stainless Steel Hair Line Finished Centre Opening Power Operated Automatic Door.
LANDING ENTRANCE	Stainless Steel Hair Line Finished Centre Opening Power Operated Automatic Door.
CLEAR OPENING	800 mm. Wide X 2000 mm. High
INDICATORS : CAR & LANDINGS	Direction & Position Indicator.
OTHER FEATURES	Battery Operated Emergency Alarm. ,Micro-stroke M-type push buttons.Fireman Switch.Emergency Light.Infra Red Screen.Overload Indicator. Auto Rescue Device.
SIGNAL DETAILS	FPI & CPI with UP & DN direction will be provided
Communication from the Car- Provision for a Push button enabled two way voice communication with the existing EPABX system Board.	This is two way voice communication system interfacing with existing EPABX system.
LOAD WEIGHING BY PASS	provided .
OVER LOAD WARNING DEVICE	provided
FAN CONTROL	provided
FULL COLLECTIVE OPERATION	provided
SIMPLEX OPERATION	provided

The Major Elevator Components are briefly described as under: **Machine – Traction:**

Worm gear consists of worm wheel of centrifugally cast bronze and worm of specially forged steel. Very precisely machined teeth profile of worm wheel and worm followed by careful matching ensures smooth and noiseless operation. Automatic lubrication of all internal bearings and easy access to all parts is provided to facilitate easy maintenance. Worm gear is coupled to a specially designed motor, suitable for elevator duty.

Arrangement for releasing the brake manually and bringing the car to the nearest landing by a hand wheel / fly wheel is provided, in case the elevator stops in between the floors due to any reason.

**Compressor Hydraulic (in case of hydraulic elevator)**

Compressor comprising of oil sub-merged motor unit specially designed for elevator duty with exclusive lift regulating valve. Easy hand cranking for releasing pressure manually for lowering the car to the nearest landing. Also backed up with automatic rescue device for safe landing of elevator in case of power failure.

**Cylinder (in case of hydraulic elevator)**

Precision machined and honed seamless steel tube cylinder for smooth travel of elevator.

**Car Frame, Safety and Governor:**

Structural steel car frame to support the car platform and enclosure shall be provided with suitable gear fixed underneath the frame. The safety which is actuated by a speed governor, automatically and compulsorily brings the car to an immediate stop by clutching the car mechanically between the guide rails, in case the car speed exceeds a predetermined limit in downward direction. A safety switch is provided to cut off the control circuit and apply the brake as soon as safety is actuated.

**Control Board:**

Control Board with enclosure shall be installed in the machine room and will consist of required components, duly wired with copper conductors to ensure safe and trouble free operation. The control circuit ensures safety elevator users and incorporates all protections as per BIS 14665-2000.

**Automatic Door-Operation (In case of power operated doors):**

It consists of a motor operated device on elevator car for smooth and quite opening and closing of car and landing doors simultaneously. Contactless electric braking is applied just before the fully closed position, as well as just before the fully open position to prevent banging of doors in either direction.

**Retiring Cam (In case of manually operated doors):**

A retiring cam will be provided on top of elevator for three or more stops. For two stops a fixed cam will be provided.

**Guide Rails:**

Guide Rails will be machined ground mild steel T-section with suitable fixing arrangements.

**Counter Weight:**

Counter-weight will be structural steel frame loaded with appropriate filler weights.

**Lubricator:**

Provided for automatic lubrication of guide rails.

**Suspension Ropes:**

Steel wire ropes of performed construction will be provided.

**Buffers:**

Suitably designed Spring Buffers will be provided as per our standard design.

**Limit Switches:**

Suitable switches will be provided to automatically disconnect the power supply and apply the brakes, should be elevator over run the terminal landings.

**Electro-Mechanical Locks:**

Electro-Mechanical Locks will be provided for each landing door and shall have mechanical inter locking with built in electric contacts to prevent movement of the car away from the landing until the doors are perfectly locked in closed position.

**Car Operating Panel:**

This consists (a) Call buttons corresponding to landings to be served, (b) Up and Down direction indicators, (c) Emergency stop switch, (d) Alarm button, (e) Optional, key operated selector switch for "Attendant" and "Automatic" operation, (f) Door open (DO) and door close (DC) buttons, (g) Fan & Light (In some states, light switch is not provided as per Lift Rules. The light must be ON so long electrical power is supplied to run the elevator.) Switch (h) Optional – over load indicator, (i) Optional – Auto rescue device (ARD) indicator, (j) Optional – Digital clock and temperature indicator.

**Operating Devices:**

Suitable operating devices, as per our standard design, shall be provided in the car and at the landings with required buttons, switches and indicators. Also maintenance board shall be provided on car top. All operating devices such as, car board, landing boards and indicators will have stainless steel faceplates.

**Electric Cable/Wiring:**

Electric Cable/Wiring will be provided as per our design and practice to give desired elevator service.

**Car Name Plate:**

Car nameplate will be fitted in the car, indicating capacity.

**Design to Comply:**

- (a) Indian Electricity Act, 1910
- (b) Indian Electricity Rules, 1956
- (c) IS:1173 of 1967 : Steel Section
- (d) IS:2365 of 1963 : Suspension (Lift) Ropes
- (e) IS:14665 (Part 1,2,3 & 4) of 2000 – Indian Standard on electric traction lifts including guide lines for outline dimensions of passenger, goods, service (including dumb-water) and hospital lifts, code of practice for installation, operation and maintenance and comply.

Other Terms and conditions:-

- (1) **Storage:** A suitable dry, safe and lockable stores (about 60 square meters ) for storing the material and tools at ground/first floor (near the elevator will be made ready and confirmed before the material is despatched).

(2) **Installation, Testing and Commissioning:** Following will be provided for Installation , Testing and commissioning:

- (a) Suitable 415V $\pm$ 8% 3-phase and separate 220V 1-phase 50 HZ $\pm$ 3% AC power supplies will be made available in the machine room before commencement of installation work.
- (b) Double copper wire 4 sq. mm. Earthings with earth grid located at machine room and up to the double earth pit as per Indian Electricity Rules will be provided before running the elevator at slow speed.
- © Adequate provision will be made for protecting and preserving all materials at site.

(3) **Handing Over:** Your erection crew will test and adjust the elevator/s and will give about a week's prior notice for taking over the elevator.

**NOTES:**

- (I) Site tests in accordance with IS shall be carried out at the time of handing over.
- (ii) Unless otherwise agreed to, you will carry out all work during our regular working hours on our regular working days only.
- (iii) To facilitate training of our employees for performing minor maintenance work and for properly handling the elevator/s, your erector will impart necessary training to your personnel designated for the purpose.



## **BCCL OBLIGATIONS FOR EXECUTION OF ELEVATOR CONTRACT**

1. All preparatory building work such as elevator shaft with enclosure, water proof elevator pit, machine room with necessary R. C. C. Slab, Sockles, M. S. Channel for elevator machinery etc.
2. Machine room flooring including any reinforcement etc. necessary for load bearing, trapdoor, windows, doors, provision of suitable ventilation arrangement to maintain machine room temperature under 40°C maximum.
3. Hoisting Beam or hook in the machine room for lifting purpose above the trap door having capacity of 1.0/1.5 Tonnes.
4. Any necessary tanking lining or reinforcement in the elevator pit, sockles in the elevator pit for Buffers.
5. Light point in the elevator shaft opposite each alternate landing, machine room and in the pit.
6. Entrance, architrave or elevator face decorating at all floor landings, facia plates if required, all painting job except of elevator material.
7. Proper guarding and close fencing of the elevator shaft and all other openings.
8. 230V single Phase and 415V 3 Phase 50 Hz A. C. power supply with suitable switch fuse unit of required capacity in the machine room for erection/installation. Timely provision of permanent supplies for testing purpose, effective double earthing in the machine room. Lightening arrestor and other electrical protective devices necessary to meet local requirement.
9. Electric wiring between the main meter board to the main switch board in the machine room.
10. Obtaining licence to erect and run the elevator from relevant authorities.
11. Payment of inspection fees.

FORMAT OF PRICE BID  
Tender No. BCCL/ PUR/610285/Lift/Installation/10-11/146

Sl No.	Item	Quoted Price in Rs.
	Cost of installation ,Testing & Commissioning of the Elevator	
	Tax if applicable (please specify)	
	Total cost	

Note:- Price should be quoted in figures as well as words.

Signature of Tenderer along with stamp