

PROFILES



FUELCO COAL (INDIA) LIMITED





FUELCO GROUP

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HISTORY :-

The Joint family business which was established 34 years back in the name of '**FUEL CORPORATION OF INDIA**' a partnership firm and is being supported by all senior family members, dealing in Indigenous Coal Trading By virtue of long experience in Coal business and have achieved excellent competence to undertake all sorts of job which are associated with the development of Coal business.

It is decided by all the members of the family to float some more company to expand the coal business and diversification in the field of Coal washeries, import of coal, Steel and power. Hence the following new company is floated to achieve the common goal of the Group.

1. Fuelco Coal (India) Ltd.,
2. Fuelco Washeries (India) Ltd.,
3. Fuelco Power & Mining Ltd.,
4. Fuelco Ispat (India) Ltd.,
5. Fuelcoal Corporation India Ltd.,
6. Shree Shyam Agro Products Pvt. Limited

The above said company newly registered with registrar of company Maharashtra under the company act 1956 as a Public Limited company.

FUELCO GROUP BOARD OF DIRECTORS

Mr. Navalkishor Agrawal – Managing Director

Mr. Anshul Agrawal – Executive Director

Dr. S.L. Keshwani - Director

Mr. Kamalkishor Agrawal - Director

Mrs. Sarojdevi N. Agrawal - Director

Mr. Navalkishor Agrawal (C.M.D) is one of the senior family members and veteran business tycoon of the coal sector and industrial venture, establishing the basic concept of trust & excellence since decades is leading M/s Fuelco Coal (India) limited as a CMD. His vast knowledge of the sector & potential in examining various business opportunities is the motivation features of his leadership skills.

Mr. Anshul Navalkishor Agrawal (E.D.) recently joined as an Executive Director who has studied economics from Harvard University is the driving force behind the operations of the business and including the recent development in the import of coal segment. His activities, vast knowledge and dynamic leadership in the sector is unparalleled. He enjoys an enviable position because of his strong industry relationship and market reputations.

The Board of Directors are assisted by a team of a professional and technical persons who will have the vast experience in implementation of the contract. So there will not be may kind of bottleneck in any field of administration, marketing, quality supply and co-ordination.

ABOUT US

Fuelco Coal (India) Limited is one of the leading Group of India undertaking various business activities like coal trading , steel plant, power generation , coal washery , transportation and liaisoning . Our global span of business and expertise of our team gives us the unique ability to understand our customers need and satisfied them with excellence.

We always believe in long lasting relationship with our customers by providing them good quality material with attractive terms of payment.

Aims & Vision – Fuelco Coal (India) Limited firmly aims to expanding its global family. Our vision to fulfill the requirement of our valuable customer.

Fuelco Coal (India) Limited provide all kinds of consumers services in respect of e-auction, liaisoning with coal company, transportation by road, rail and allotment of rake.

Transportation:

Fuelco Group having a large network for transporting with across 500 fleets and holding goodwill among the customers for timely delivery.

Commodity Trade:

Fuelco Coal (India) Limited is into trading of Indigenous and Imported Coal with logistics arrangements, Wash Coal will also be arrange from the coal washeries situated in very near vicinity of coal mines of WCL & SECL .

We are a nationwide coal company and have a wide distribution network. We can supply coal all over India. We are having our stockyards in all major industrial areas. We have bulk storage and handling capacities at our coal dumps. We also have stockyard at other railway siding and different collieries of SECL, ECL, WCL, MCL and SCCL to fulfill the requirements of our clients. We have a long term relation with an Indonesian, South African, Australian and Vietnam for supply of their coal at very competitive price.

Coal Mining:

We also undertake contract for coal mining to remove the coal and separate out the over burden and transportation the clean coal from coal mining to the destination by road & rail as the case may be.

Quality Control:

Due to our perfect control over the quality of coal at the origin point, our quality is customized to the customer's needs. Our commitment is to supply right quality at right price in right time to the customers. This has made us the preferred source for coal procurement of our customers of both core and non-core sectors.

Experience:

The experience details of handling and transportation with the following listed company

| FUELCO COAL (INDIA) LTD. | | | | | |
|--|---|---|--|--------------------------|------------|
| WORK EXPERIENCE DETAILS OF HANDLING & TRANSPORTATION | | | | | |
| Sr. No. | Name of Tender Authority | Tender No. & Date | Work | Period | Qty. in MT |
| 1 | Western Coalfields Limited | WCL/GM(CMC)/LOA/12/2013-14/55 dt. 27/12/2013 | <u>Part - 1</u> Transportation of Coal from Mine Stock Yard to Old CHP of Sasti Mine <u>Part - 2</u> Transportation of Crushed Coal from Sasti/Gouri to Ballarpur Siding & Unloading (Total 7 Jobs, LOA attached) | 01/01/2014 to 01/01/2018 | 9011000 |
| | | WCL/GM(CMC)/LOA/15/2013-14/58 dt. 01/01/2014 | <u>Part - 1</u> Transportation of Coal from Mine Stock Yard Heap No. 5 to Receiving Bunkers of Ukni CHP <u>Part - 2</u> Transportation of Crushed Coal from Discharge Point of Ukni CHP to Wani Railway Siding | 01/01/2014 to 01/02/2015 | 2000000 |
| 2 | Karnataka EMTA Coal Mines Limited | KECML/KOL/VO-FUELCO/41/13-14 dt. 15/05/2013 | Transportation of Coal from Baranji Mines to KECML Rly. Siding at Majri | 12 Months | 1000000 |
| 3 | Maharashtra State Power Generation Company Limited Mumbai | CE(FMC)/EES/TC_WCL/ROAD/2012/T-14/211 DT. 29/01/2013 | Work of Raw Coal Loading & Transportation from Sasti & Gouri Mines to Ballarpur Rly. Siding | 27/01/2013 to 25/01/2014 | 728532.93 |
| | | CE(FMC)/EES/TC_WCL/ROAD/2012/T-5/1692 DT. 06/08/2012 | Work of Raw Coal Loading & Transportation from Mungoli OC to Ghuggus Rly. Siding & from Ghonsa to Wani Rly. Siding | 3 Months | 292500 |
| | | CE(FMC)/EES/TC_WCL/ROAD/2012/T-12/2026 DT. 17/09/2012 | Work of Raw Coal Loading & Transportation from Gouri CHP/Sasti (N) Ballarpur Rly. Siding | 3 Months | 180000 |
| | | CE(FMC)/EES/TC_WCL/ROAD/2012/T-14/273 DT. 23/01/2013 | Work of Raw Coal Loading & Transportation from Kamptee & Gondgaon Mines to Dumrikhurd Rly. Siding | 28/01/2013 to 15/06/2013 | 144258.16 |
| | | CE(FMC)/EES/TC_WCL/ROAD/2012/T-15/1067 DT. 02/05/2013 | Work of Raw Coal Loading & Transportation from Inder Mines to Khaperkheda TPS | 22/05/2013 to 28/07/2013 | 44694.61 |
| 4 | Vidarbha Industries Power Limited (Reliance, Nagpur) | VIPL/LOA/IC-PH/FC/1/201-15 dt. 14/06/2014 | Stevedoring, Loading, Unloading, Custom Clearance, Lashing, Rake Loading, Handling, Transportation etc. and all associated onshore as well as offshore services for handling & delivering of Imported Coal from Kakinada Deep Water Port to VIPL Power Plant, Butibori, MIDC, Nagpur | 01/07/2014 to 30/09/2014 | 65300 |

| | | | | | |
|---|----------------------------------|--|--|--------------------------|-------|
| | | VIPL/CONTRACT/DC/FCIL-TR/01/2014-15 dt. 16/05/2014 | Transportation of Domestic Open Market Non Coking Coal from the Stock Yard of Our Suppliers in Nagpur/Wani area to Vidarbha Industries Power Limited | 16/05/2014 to 20/06/2014 | 10000 |
| 5 | Bilt Power Limited, Unit Bhigwan | P.O. No. 47401671/0 dt. 24/05/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 24/05/2010 to 15/06/2010 | 5000 |
| | | P.O. No. 47401756/1 dt. 14/06/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 14/06/2010 to 30/07/2010 | 5000 |
| | | P.O. No. 47401757/1 dt. 14/06/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 14/06/2010 to 30/07/2010 | 5000 |
| | | P.O. No. 47401708/0 dt. 15/06/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 15/06/2010 to 07/07/2010 | 5000 |
| | | P.O. No. 47401709/0 dt. 15/06/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 15/06/2010 to 07/07/2010 | 5000 |
| | | P.O. No. 47401731/0 dt. 25/06/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 25/06/2010 to 22/07/2010 | 5000 |
| | | P.O. No. 47401622/0 dt. 26/04/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 26/03/2010 to 15/05/2010 | 3800 |
| | | P.O. No. 47401589/0 dt. 29/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 29/03/2010 to 07/04/2010 | 3800 |
| | | P.O. No. 47401590/0 dt. 29/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 29/03/2010 to 07/04/2010 | 3800 |
| | | P.O. No. 47401593/0 dt. 29/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 29/03/2010 to 25/04/2010 | 3800 |
| | | P.O. No. 47401507/0 dt. 08/02/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 08/02/2010 to 15/02/2010 | 3800 |
| | | P.O. No. 47401510/0 dt. 08/02/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 08/02/2010 to 28/02/2010 | 3800 |
| | | P.O. No. 47401561/0 dt. 16/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 16/03/2010 to 31/03/2010 | 3800 |
| | | P.O. No. 47401562/0 dt. 16/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 16/03/2010 to 31/03/2010 | 3800 |
| | | P.O. No. 47401538/0 dt. 25/02/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 25/02/2010 to 07/03/2010 | 1400 |
| | | P.O. No. 47401577/0 dt. 23/03/2010 | Transportation of Coal from Mines to Bilt Unit Bhigwan | 23/03/2010 to 31/03/2010 | 1000 |

FUELCOAL CORPORATION INDIA LIMITED WORK EXPERIENCE DETAILS

| SR. NO. | NAME OF AUTHORITY | PURCHASE/WORK ORDER NO. & DATE | WORK | PERIOD | QTY. IN MT |
|---------|---------------------------|--|---|--------------------------------|---|
| 1 | Grasim Industries Limited | PQ.No MCD/4100020450/14-15 Dt. 23.08.2014 | Supervision of WCL Linkage Coal by Rail | 01.04.2014 To 31.03.2015 | 180000 |
| | | Agreement Dated.1.09.2014 | Transportation and liaisoning of Linkage Coal From WCL to Birla Cellulosic,Kharach | 01.09.2014 To 31.10.2016 | 105840 |
| | | HIL/BC/C&L/2014-15/018 Dated.30.06.2014 | Appointment of service Agent for arranging under Linkage | 01.04.2014 To 31.03.2015 | 113000 |
| | | HIL/BC/C&L/2014-15/013 Dated.30.06.2014 | Transportation of Indigenous Coal by Road from WCL to Birla Copper Dahej Dist. Bharuch | 01/06/2014 To 31/05/2015 | Under linkage from Various Mines of WCL Nagpur |

OUR ACTIVITIES

Having excelled in the business of COAL and its transportation by rail/ road to the Thermal Power Stations of various State Electricity Boards and other industries in the country for over three decades help them to work as per coal distribution policy Ministry of Coal, Govt. of India, FUELCO GROUP diversified their business activities by venturing out in Coal Washery, Import of Coal, Steel, Power & Liaisoning.

Fuelco Ispat (India) Limited:

We have put up a unit manufacturing of Cast Iron, Spun Pipe with the capacity of 28000 Tonnes per annum at MPAKVN Borgaon, Tah. Sausar, Dist. Chhindwara (M.P.) , the application of the C.I. pipe is used for Transmission, Distribution systems, Hi-tech Earthing in Electricity Board (Substations) and for industrial applications in industries like Food Processing, Water Treatment plants, Oil Refineries, Pumping Station, Telecommunication & in many other industries.

Fuelco Washeries (India) Limited:

We have acquired 23 hector of land at Village Belsani, Shengaon & Mursa , Dist. – Chandrapur to put up a Coal Washery with the capacity of 2.5 million tonnes per annum. The company has also filed TOR to the Ministry of Environment & Forest, Govt. of India, New Delhi. The company has also get allotment of Railway Siding from Ministry of Railway, now we are awaiting for Environment clearance from the Ministry of Environment.

Fuelco Power & Mining Limited:

We have selected a land at Balaghat District to put up Bio- Mass Power Plant with the capacity of 10 MW and the Govt. of Madhya Pradesh have directed to collector to allot 65 Acre of land in the Balaghat District. But due to some local problem the collector of Balaghat not notified the allotment so far and the project is in the pipeline.

Fuelco Coal (India) Limited:

We are dealing in Indigenous and imported coal and we are one of the leading liasoning and coal handling agent moving Indigenous Raw Coal , Washed Coal in bulk to various customers in the core sector such as Power, Cement, Steel etc. and noncore sector industries who are having Fuel Supply Agreement with various subsidiary companies of Coal India Ltd. &

by virtue of long experience in coal business for more than three decades our company has achieved excellent competence to undertake all sorts of jobs which are associated with the following activities.

1. Liaisoning with any coal companies against Coal Linkage of Fuel Supply Agreement.
2. Supervision of loading and movement of coal from the Coal Company by road and rail as the case maybe.
3. Liaisoning with Indian Railway for allotment and placement of coal wagons, EDRMS Sanction, Swift movement of Coal wagons etc.
4. To collect Railway Receipt and forward the same along with details to customers promptly.
5. To furnish actual dispatch details like wagon nos. and status of movement till destination.

We are also associated with some of the most renowned, recognized and qualified people who are experts and having vast experience in the field of coal sector.

In addition to the above we also undertake trading of Indigenous Coal and Imported Coal from Indonesia, Australia and South Africa, holding sufficient stock to fulfill the requirements of our valued customers.

Shree Shyam Agro Products Pvt. Limited:

We undertake the supply of Bio- Mass and Agricultural residues to the power plant based on bio-mass.

Imported Coal

We are very actively importing coal from Indonesia and South Africa and supplying to the power plant, steel plant, chemical and cement plant as per their specification Directly or High Sea Sale.

Joint Venture

We are always looking for joint venture with the experts entrepreneurs for better service in the specialized trade.

FUELCO ISPAT (INDIA) LTD



FUELCO GROUP is promoted by Sri Navalkishore Agrawal in 1980 as a trading house **Fuelco Coal (India) Ltd.** having a broad clientele base throughout the country. His Vision & Entrepreneurial zeal have revolutionized with a stupendous effect in carving the enterprise to the present status with a Holistic approach. Gradually it envisaged growth plans and in the year 2004 "FUELCO GROUP" emerged with different subsidiaries. **FUELCO ISPAT (INDIA) LIMITED (FIIL)** is one of its flagship Company. Plans are afoot diversifying into different fields namely : Coal, Coal Washery, Power, Ferro Alloys, D.I. Pipe Plant & Agro division. Company has embarked upon to start Semi-automatic centrifugally spun Pipe plant with a Greenfield project for the manufacture of C.I. Pipes, Soil Pipes, Double flanged and Earthing pipes & Fittings.

Corporate Ethics :

- ✦ **CSR & Complying to Environmental Health & Safety (EHS)** regulations (with state of the art Pollution control systems).
- ✦ **Human Asset Management**
- ✦ **Professionalism** : Implementing a clutch of superior applications & services.

Our Motto :

- ✦ **Sustainable growth and Development** (we shall try to achieve sustained market growth by extending our marketing network, which will be supported by scale up of production facility).
- ✦ **Quality Assurance and reliability** (Cost effective and competitive Quality Pipe products).
- ✦ **Customer Satisfaction** (We shall bring and incorporate continual improvement in identified areas from time to time).
- ✦ **Professional work culture and Transparency in Business.**

-: OUR REGISTERD OFFICE :-



“Fulwanti Palace”

**926-A, DeshpandeLay-out,
Central Avenue,
NAGPUR-440 008 (India).**

CORPORATE OFFICE



“Fuelco House”

Plot No.15, S.F.A. Near Harihar Mandir
Lakadganj, NAGPUR- 440 008 (India).

OUR OFFICES:-

| | | |
|-------------------|----------------|--|
| REGISTERED OFFICE | NAGPUR | "Fulwanti Palace", 926-A, Deshpande Lay-out, Central Avenue, NAGPUR-440 008 (India). |
| CORPORATE OFFICE | NAGPUR | "Fuelco House", S.F.A. Plot No.15, Near Harihar Mandir, Lakadganj, NAGPUR-440 008 (India). |
| BRANCH OFFICE | MUMBAI | Flat No. 62, Atharva Shradhanand Road, Vile Parle (East), Mumbai (M.S.) |
| BRANCH OFFICE | VISHAKHAPATNAM | 46, Hema Heritage Apartment, Flat No. 403, Kirlampudi Layout, Varun Beach Road, Vishakhapatnam (Seem Andhra) |
| BRANCH OFFICE | AURANGABAD | Krishna Residency, A 2 nd Floor, Behind Hotel Girnar, Adalat Road, Aurangabad - 431 001 (M.S.) |
| BRANCH OFFICE | WANI | Shree Shyam Weighbridge, Near Ramdeobaba Mandir, Yavatmal Road, Chikhalgaon, Wani, Dist. - Yavatmal (M.S.) |
| BRANCH OFFICE | CHANDRAPUR | Shree Shyam Weighbridge, P.O. Padoli, Nagpur Road, Chandrapur - 442 406 (M.S.) |

Our area wise Representatives in the following coalfields always available

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|----|--|
| 1. | Coal India, Kolkata |
| 2. | Western Coalfields Limited, Nagpur |
| 3. | Mahanadi Coalfields Limited, Sambalpur |
| 4. | South Eastern Coalfields Limited, Bilaspur |
| 5. | Bharat Coking Coal Limited, Dhanbad |
| 6. | Northern Coalfields Limited, Singrauli |
| 7. | Central Coalfields Limited, Jharkhand |

Our Top 23 Customer List

| Sr. No. | Party Name | Address |
|---------|--|-------------------------|
| 1 | ISMT Ltd. | Viman Nagar, Pune |
| 2 | Vidarbha Industries Power Ltd.(Reliance Power) | Butibori, Nagpur |
| 3 | Goodyear South Asia Tyres Pvt. Ltd. | Waluj, Aurangabad |
| 4 | Jubilant Life Science Ltd., | Pune, Nira |
| 5 | Murli Industries Ltd. (Cement Unit) | Wardhaman Nagar, Nagpur |
| 6 | Abhijeet MADC NEPL | Hingna, Nagpur |
| 7 | Jrt Agromin Trading Pvt. Ltd. | Visakhapatnam |
| 8 | Anrak Aluminium Ltd. | Hyderabad |
| 9 | Vishnu Vidyuth India Ltd. | Hyderabad |
| 10 | Madhucon Sugar & Power Industries Ltd. | Hyderabad |
| 11 | Inspire Industries Ltd. | Bilaspur (C.G.) |
| 12 | Sentini Bioproducts Pvt. Ltd. | Hyderabad |
| 13 | Maharashtra State Power Generation Co. Ltd. | Katol Road, Nagpur |
| 14 | Deccan Fine Chemicals India (P) Ltd. | Hyderabad |
| 15 | Hetero Drugs Ltd. | Hyderabad |
| 16 | Grasim Industries Ltd. | Nagda |
| 17 | BILT Power Ltd. | Visakhapatnam |
| 18 | Simhadri Power Ltd. | Visakhapatnam |
| 19 | Indorama Synthesis (I) Ltd. | MIDC Butibori, Nagpur |
| 20 | Wardha Power Company Ltd. | Chandrapur |
| 21 | Uttam Galva Metalics Ltd. | Wardha |
| 22 | Hindalco Industries Ltd. | Dahej |
| 23 | JK Paper Ltd. | Songadh |

FUELCO GROUP

Our Clients:



KSK
Power from knowledge

INDO RAMA
Synthetics (India) Limited

ANIRAK
ANIRAK LIMITED

HETERO

WITAG PROFILES

JUBILANT
LIFE SCIENCES

ISMT
INDUSTRIAL STEEL TUBE MANUFACTURERS

MAHAGENCO
Maharashtra State Power Generation Co.

ADITYA BIRLA
HINDALCO

deccan

JK PAPER LTD.
Creating lasting impressions

MURL
INDUSTRIES LTD.

Sentini Group
Solve for Success

UTTAM

Reliance
Industries Limited

GAR
Creating tomorrow today

Engineering India
Creating a better future

ADITYA BIRLA
GRASIM

bilt

GOODYEAR
One Revolution Ahead

No. 23011/4/2007-CPD
Government of India
Ministry of Coal

New Delhi, the 18th October, 2007

OFFICE MEMORANDUM

Subject: New Coal Distribution Policy

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In supersession of existing coal distribution policy for core and non-core sector and other instructions issued in this regard from time to time, the Government is pleased to approve the New Coal Distribution Policy. The new policy is as follows:

1. Classification of Consumers :

The existing classification of consumers into Core & Non-core has been reviewed and it has now been decided to dispense with the same. Instead, each sector/consumers would be treated on merit keeping in view, inter-alia, the regulatory provisions applicable thereto and other relevant factors.

2. Distribution and Pricing of coal to different consumers/sector(s):-

2.1 Requirements of defence sector and Railways will be met in full at notified price, as at present.

2.2 Power Utilities including Independent Power Producers (IPPs)/ Captive Power Plants (CPPs) and Fertilizer Sector

100% of the quantity as per the normative requirement of the consumers would be considered for supply of coal, through Fuel Supply Agreement (FSA) by Coal India Limited (CIL) at fixed prices to be declared/notified by CIL. The units/power plants, which are yet to be commissioned but whose coal requirements has already been assessed and accepted by Ministry of Coal and linkage/ Letter of Assurance (LOA) approved as well as future commitments would also be covered accordingly.

2.3 Other consumers

75% of the quantity as per the normative requirement of the consumers/actual users would be considered for supply of coal through FSA by CIL at notified prices to be fixed and declared by CIL. The balance 25 % of

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G. Jaiswal

The earmarked quantity would be distributed through agencies notified by the State Governments. These agencies could be State Govt. Agencies / Central Govt. Agencies (National Co-operative Consumer Federation[NCCF]/ National Small Industries Corporation[NSIC] etc) or industries associations, as the State Govt. may deem appropriate. The agency so notified will continue to distribute coal until the State Govt. chooses to denotify it.

The agency /association so notified by the State Govts., would be required to enter into FSA with coal company to be designated by the Coal India limited. The FSA will continue to remain in force till either the State Govt. denotifies the agency/association or CIL shifts the obligation to some other coal company due to production, transportation logistics etc,. In the latter case, a fresh FSA would be signed with the new coal company. The FSA would be based on firm commitment and compensation for default in performance on either side.* These State Government/Central Govt. agencies would be free to devise their own distribution mechanism. However, the said mechanism should inspire public confidence and should result in distribution of coal in a transparent manner.

The price charged to such agencies would be same notified price as applicable to other consumers entering into FSA. The agency would be entitled to charge actual freight and upto 5% margin as service charge, over and above the basic price charged by the coal company, from their consumers. The concerned State Governments and Central Govt. Deptt. having administrative control over the agencies would be responsible to ensure that coal allotted for targeted consumer is distributed in a fair and transparent manner and appropriate action taken to prevent its misuse.

3.2 The quantity to be allocated to this sector may be reviewed on the basis of their performance in the beginning of every year. Allocation of this quantity amongst the states would be done on the basis of their consumption pattern in the past.

4. Replacement of Linkage System by Fuel Supply Agreement (FSAs)

The linkage system will be replaced with a more transparent bilateral commercial arrangement of enforceable FSAs. All the existing valid linked consumers whose linkage/MPQ during the year 2006-07 was 4200 tonnes or more would have to enter into FSAs with coal companies not later than six months from a date to be notified by CIL. The other valid linked consumers will have the option to opt out of FSA regime or enter into FSA within six months. On opting out, they may access their coal requirement through various channels like e-auction, distribution network of State nominated agencies etc. Failure to enter into FSA will result in discontinuation of supplies at fixed prices. All existing

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G. Suman

FUELCO GROUP

FSAs, as prevailing on the date of introduction of this policy, will continue. However, they would need to be modified in view of the new provisions.

5. Policy for New Consumers

5.1 The Letter of Assurance (LoA) to be issued now pursuant to the new policy will have a validity of 24 months for consumers/applicants of Power Utilities, CPPs & IPPs and 12 months for other consumers instead of 30 months as earlier. The allottee of LoA would be required to fulfill certain stipulated conditions and meet the milestones within this period and there upon approach coal companies for entering into FSA. Such FSA would be completed within three months. Further, with a view to ensure that only serious and committed consumers approach for LoA, they would be required to furnish an "Earnest Money Deposit" (EMD). EMD can be in the form of Bank Guarantee and would stand discharged once FSA is concluded within the stipulated period. However, on failure, the EMD will be forfeited. The amount of EMD could be initially kept at 5% of the value of Annual coal requirement. However, CIL may decide a different level, based on various relevant facts, with the approval of Board of Directors of Coal India Limited.

5.2 For new commitments including short-term tapering commitment to consumers having captive coal block, Power Utilities, CPPs, IPPs, Fertilizer units, and others would be issued an enforceable Letter of Assurance for supply of coal and thereafter they would be entitled to enter into FSA within a stipulated time subject to fulfillment of certain conditions to be stipulated therein. For Power Utilities including Independent Power Producers (IPPs) and Captive Power Plants (CPPs), cement sector and sponge iron sector, the present system of linkage committee at the level of Government would continue. CIL will issue LoA after approval of applications by the Standing Linkage Committee (Long-term). However, for other sectors the task of issuing letter of assurance, will be the responsibility of CIL.

In order to meet the domestic requirement of coal, CIL may have to import coal as may be required from time to time, if feasible. CIL may adjust its overall price accordingly. Thus, it will be the responsibility of CIL/Coal companies to meet full requirement of coal under FSAs even by resorting to imports, if necessary.

6. Letter of Assurance for New Consumers

6.1 New consumers from State/Central power utilities, CPPs, Independent Power Producers (IPPs), Fertilizer, Cement and Sponge Iron units may be issued LOA, based on prevailing norms and recommendation of Administrative Ministry, which may inter alia have regard to LoA/Linkage already granted

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G. Suman

to the consumer of specific sector, existing capacity, requirement for capacity addition during a plan period etc.

6.2 All other consumers may be issued LOA by CIL, based on the prevailing norms and on the recommendation of the administrative ministry. CIL may also engage an independent Govt. or recognized agency/ institution, if required, for the purpose of processing/certification of coal requirement of individual consumers. If there is no prevailing norm for such category of consumers/sector.

6.3 LOA will be issued by the CIL to the applicant consumers consequent upon payment of EMD to the coal company. The amount of EMD could be initially kept at 5% of the value of annual coal requirement. However, CIL may decide a different level, based on the various facts, with the approval of Board of Directors of Coal India Limited.

6.4 LOA will be valid for a period of 12/24 months as applicable, during which the applicant consumer will be required to achieve the milestones pertaining to his projects/ plant as stipulated in the LOA, failing which LOA will stand terminated automatically and the EMD would be forfeited.

7. FSAs with New Consumers

7.1 On successfully achieving the milestones stipulated in LOA coal companies would execute FSA with the applicant consumer covering commercial arrangement for supply of coal. FSAs would be, inter-alia, based on 'Take or Pay' principle.

7.2 The FSAs would cover 100% of normative coal requirements of the Power Utilities, including Independent Power Producers (IPPs) and Captive Power Plants (CPPs), Fertilizer units and 75% of normative coal requirement of other consumers.

7.3 As and when Fuel Supply Agreements come into existence, both parties viz. coal companies and consumers would endeavour to enter into Fuel Supply and Transport Agreement (FSTA) which would be a tripartite agreement involving the coal supplier, the coal consumer and the logistic provider i.e. railways. The FSTA may firstly be made applicable to major consumers like power, cement and steel sector and could be extended to other consumers in a phased manner.

8. Role of Standing Linkage Committee

The existing SLC (LT) will continue to recommend issuing of LoA in respect of Power Utilities including CPPs & IPPs, Cement and Sponge Iron

G. Sivasankar

(v) In order to address the concerns of such industrial consumers who wish to have an assured supply over a long period, say one year, under e-auction so as to plan their annual production etc., CIL will earmark a fixed quantity which will be provided to highest bidder/bidders as per bidder's requirement over the period of the bid.

Based upon above guidelines and modalities, a revised e auction scheme would be introduced by CIL within one month. Around 10% of estimated annual production of CIL would initially be offered under e-auction and the quantity to be offered under e-auction would be reviewed from time to time by Ministry of Coal.

11. Transitional provisions and implementation schedule

The new distribution policy envisages implementation of revised distribution policy in which there will be departure from the existing policy of distribution based on inter-alia norms, FSAs, price, distribution mechanism, administrative allocation etc. As these modalities will have to be tailor made accordingly to the new distribution policy, transitional provisions have been made for implementing new coal distribution policy and to avoid any disruption in coal distribution to various categories of consumers, as under:

| Para Number | Implementation schedule | Transitional provisions |
|-------------|-------------------------|--|
| Para 2 | Upto Six months | Distribution as per existing FSA/SLC(ST). For non core linked consumers the present system of offer by CIL. |
| Para 3 | Upto Six months | The existing system of allocation of coal to State nominated agencies and NCCF to continue. However, recommendations regarding enhancement of cap to 4200 tonnes per annum will be given immediate effect. |
| Para 4 | Six months | Allocation in terms of existing FSA/SLC(ST). For non core linked consumers the present system of offer by CIL. |

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| | | |
|------------|--|--|
| Para 5 & 6 | a) Two months | For power utilities/PPs LoA to be recommended by SLC(LT) subject to deposit of applicable EMD and modified LoA containing stipulated terms and conditions. For other categories similar interim/conditional LoA can be issued by CIL, if required. |
| | b) One Year (For meeting the requirement of FSA commitment through import, if required.) | Existing system of meeting the FSA quantity would continue. |
| Para 7.1 | Two months | |
| Paras 10 | One month | E-booking to be extended in the interim. |

Verification of erstwhile non core sector consumers

CIL would undertake verification of such consumers of erstwhile non-core sector consumers, in a time bound manner, either directly or through an agency, so as to check the veracity of their claim of being bonafide consumers of coal and thereafter act accordingly. This exercise should be carried out keeping in view the observations and directions of Hon'ble Supreme Court in the case of M/s. Ashoka Smokeless Coal India Limited and Ors. In respect of those consumers who are not found to be bonafide, Coal companies can cancel their allocation.

The above policy guidelines will also be applicable to distribution of coal from Singareni Collieries Company Limited (SCCL).

CIL/SCCL/Coal Companies are advised to take further appropriate action for implementation of this policy in respect of provisions relevant to them.

G. Srinivasan

(G.Srinivasan)

Under Secretary to the Government of India

Tele. No. 2338 4285

To

1. Shri Ashok Khurana, Addl. Secy., Ministry of Power, Shram Shakti Bhawan, New Delhi

2. Dr. Surya Sethi, Principal Advisor, Planning Commission, Yojana Bhawan, New Delhi.
3. Shri Arvind Mayaram, Joint Secretary, Ministry of Economic Affairs, Ministry of Finance, North Block, New Delhi.
4. Shri K.A. Singh Deo, Joint Secretary, Ministry of Steel, Udyog Bhawan, New Delhi.
5. Shri Shashi Ranjan Kumar, Director, Deptt. Of Industrial Policy and Promotion, Ministry of Commerce & Industry, Udyog Bhawan, New Delhi.
6. Shri P.K.Malhotra, Joint Secretary & Govt. Counsel, Deptt. Of Legal Affairs, Ministry of Law, Shastri Bhawan, New Delhi.
7. Shri Chandan Saha, Director, O/o Development Commissioner, Ministry of Small Scale Industries, Udyog Bhawan, New Delhi.
8. Shri P.S. Bhattacharyya, Chairman, CIL, 10-NS Road, Kolkata.
9. Shri S. Ghoshdury, CMD, CMPDIL, Ranchi.
10. Shri K. Ranganath, Director (Marketing), 15-Park Street, Kolkata.
11. Shri Narsing Rao, CMD, SCCL, Kothagudem, Hyderabad (AP).

Copy for information to:

- a) CMDs of BCCL, ECL, CCL, SECL, MCL, WCL, NCL.
- b) PS to MoS (Coal) (c) Sr. PPS to Secretary (Coal)
- (d) PS to AS (Coal) (e) PS to AS (LA)

Copy also for information and necessary action to : All Chief Secretaries of all State Governments/Union Territories

Copy also for information to: Shri Ashish Gupta, Director, PMO, South Block, New Delhi.

Copy to NIC, Ministry of Coal with a request to place this on the website of Ministry of Coal for wide publicity.

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Indian Coal Grades :-

The gradation of non-coking coal is based on Useful Heat Value (UHV), the gradation of coking coal is based on ash content and for semi coking / weakly coking coal it is based on ash plus

Grades of Coking Coal

| Grade | Ash Content |
|--------------------|-------------------------------------|
| Steel Grade - I | Not exceeding 15% |
| Steel Grade -II | Exceeding 15% but not exceeding 18% |
| Washery Grade -I | Exceeding 18% but not exceeding 21% |
| Washery Grade -II | Exceeding 21% but not exceeding 24% |
| Washery Grade -III | Exceeding 24% but not exceeding 28% |
| Washery Grade -IV | Exceeding 28% but not exceeding 35% |

Grades of Non-coking Coal

| Grade | Useful Heat Value (UHV) (Kcal/Kg) UHV= 8900- 138(A+M) | Corresponding Ash% + Moisture % at (60% RH & 40°C) | Gross Calorific Value GCV (Kcal/ Kg) (at 5% moisture level) |
|-------|---|--|---|
| A | Exceeding 6200 | Not exceeding 19.5 | Exceeding 6454 |
| B | Exceeding 5600 but not exceeding 6200 | 19.6 to 23.8 | Exceeding 6049 but not exceeding 6454 |
| C | Exceeding 4940 but not exceeding 5600 | 23.9 to 28.6 | Exceeding 5597 but not exceeding. 6049 |
| D | Exceeding 4200 but not exceeding 4940 | 28.7 to 34.0 | Exceeding 5089 but not Exceeding 5597 |
| E | Exceeding 3360 but not exceeding 4200 | 34.1 to 40.0 | Exceeding 4324 but not exceeding 5089 |
| F | Exceeding 2400 but not exceeding 3360 | 40.1 to 47.0 | Exceeding 3865 but not exceeding. 4324 |
| G | Exceeding 1300 but not exceeding 2400 | 47.1 to 55.0 | Exceeding 3113 but not exceeding 3865 |

Grades of Semi-coking and Weakly Coking Coal

| Grade | Ash + Moisture Content |
|------------------------|-------------------------------------|
| Semi coking grade - I | Not exceeding 19% |
| Semi coking grade - II | Exceeding 19% but not exceeding 24% |

Grades of NEC Coal :

| Grades | UHV (Kcal/Kg) | Corresponding Ash% + Moisture %age |
|--------|---------------|------------------------------------|
| A | 6200-6299 | 18.85 - 19.57 |
| B | 5600 - 6199 | 19.58 - 23.91 |

South African Coal Specification (A Grade) Thermal Coal

| | | |
|-------------------------------|---|------------------|
| Calorific Value Kcal.Kg | ± 6000 to 6200 | Rejection : 5850 |
| Volatile Matter (ADB) | $\pm 24 - 33\%$ | Rejection : 24% |
| Ash Content (ADB) | 13% | Rejection : 15% |
| Total Moisture (ARB) | < 6% | Rejection : 9% |
| Total Sulphur (ADB) | <0.76% | Rejection : 1% |
| Hard Grove Grindability Index | $\pm 46\%$ | n/a |
| Top Sizing | 0 – 50 mm 100% | n/a |
| Ash Fusion Temperature (ID) | 1250 – 1350° C (min in reducing atmosphere) | |

South African Coal Specification (C Grade) Thermal Coal

| | | |
|-------------------------------|---|------------------|
| Calorific Value Kcal.Kg | ± 5300 to 5500 | Rejection : 5200 |
| Volatile Matter (ADB) | $\pm 20 - 25\%$ | Rejection : 20% |
| Ash Content (ADB) | 22% | Rejection : 24% |
| Total Moisture (ARB) | < 10% | Rejection : 13% |
| Total Sulphur (ADB) | <0.86% | Rejection : 1% |
| Hard Grove Grindability Index | $\pm 48\%$ | n/a |
| Top Sizing | 0 – 50 mm 100% | n/a |
| Ash Fusion Temperature (ID) | 1250 – 1350° C (min in reducing atmosphere) | |

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TYPICAL INDONESIAN COAL SPECIFICATIONS

| 5100 - 4900 | | | | 5300 - 5100 | | | |
|---|--------|-----------------|---------|---|--------|-----------------|---------|
| Typical Specs (will vary from mine to mine) | | | | Typical Specs (will vary from mine to mine) | | | |
| ASPECT | DETAIL | TYPICAL | REJECT | ASPECT | DETAIL | TYPICAL | REJECT |
| | ADB | 5100 | 4900 | | ADB | 5300 | 5100 |
| | ARB | 3500 | 3200 | | ARB | 4000 | 3700 |
| | NAR | 3300 | 3000 | | NAR | 3800 | 3500 |
| Total Moisture | ARB | 40% | 48% | Total Moisture | ARB | 37% | 42% |
| Inherent Moisture | ADB | 18% | 23% | Inherent Moisture | ADB | 17% | 22% |
| Ash Content | ADB | 6% | 10% | Ash Content | ADB | 6% | 10% |
| Volatile Moisture | ADB | around 35-45% | | Volatile Moisture | ADB | around 35-45% | |
| Fixed Carbon | ADB | by difference | | Fixed Carbon | ADB | by difference | |
| Total Sulphur | ADB | upto 1% | over 1% | Total Sulphur | ADB | upto 1% | over 1% |
| HGI | | around 40 to 70 | | HGI | | around 40 to 70 | |
| Size | 0-50 | around 85-90% | | Size | 0-50 | around 85-90% | |
| 5500 - 5300 | | | | 5800 - 5600 | | | |
| Typical Specs (will vary from mine to mine) | | | | Typical Specs (will vary from mine to mine) | | | |
| ASPECT | DETAIL | TYPICAL | REJECT | ASPECT | DETAIL | TYPICAL | REJECT |
| | ADB | 5500 | 5300 | | ADB | 5800 | 5600 |
| | ARB | 4200 | 4000 | | ARB | 4900 | 4700 |
| | NAR | 4000 | 3800 | | NAR | 4600 | 4400 |
| Total Moisture | ARB | 34% | 40% | Total Moisture | ARB | 25% | 30% |
| Inherent Moisture | ADB | 14% | 20% | Inherent Moisture | ADB | 12% | 18% |
| Ash Content | ADB | 6% | 12% | Ash Content | ADB | 8% | 14% |
| Volatile Moisture | ADB | around 35-45% | | Volatile Moisture | ADB | around 35-45% | |
| Fixed Carbon | ADB | by difference | | Fixed Carbon | ADB | by difference | |
| Total Sulphur | ADB | upto 1% | over 1% | Total Sulphur | ADB | upto 1% | over 1% |
| HGI | | around 40 to 50 | | HGI | | around 40 to 55 | |
| Size | 0-50 | around 85-90% | | Size | 0-50 | around 85-90% | |
| 6000 - 5800 | | | | 6300 - 6100 | | | |
| Typical Specs (will vary from mine to mine) | | | | Typical Specs (will vary from mine to mine) | | | |
| ASPECT | DETAIL | TYPICAL | REJECT | ASPECT | DETAIL | TYPICAL | REJECT |
| | ADB | 6000 | 5800 | | ADB | 6300 | 6100 |
| | ARB | 5800 | 5300 | | ARB | 5900 | 5700 |
| | NAR | 5300 | 5100 | | NAR | 5700 | 5500 |
| Total Moisture | ARB | 18% | 24% | Total Moisture | ARB | 15% | 20% |
| Inherent Moisture | ADB | 12% | 17% | Inherent Moisture | ADB | 10% | 15% |
| Ash Content | ADB | 14% | 18% | Ash Content | ADB | 15% | 18% |
| Volatile Moisture | ADB | around 35-45% | | Volatile Moisture | ADB | around 35-45% | |
| Fixed Carbon | ADB | by difference | | Fixed Carbon | ADB | by difference | |
| Total Sulphur | ADB | upto 1% | over 1% | Total Sulphur | ADB | upto 1% | over 1% |
| HGI | | around 40 to 50 | | HGI | | around 40 to 50 | |
| Size | 0-50 | around 85-90% | | Size | 0-50 | around 85-90% | |

| 6500 - 6300 | | | | 6800 - 6500 | | | |
|---|--------|-----------------|---------|---|--------|-----------------|---------|
| Typical Specs (will vary from mine to mine) | | | | Typical Specs (will vary from mine to mine) | | | |
| ASPECT | DETAIL | TYPICAL | REJECT | ASPECT | DETAIL | TYPICAL | REJECT |
| | ADB | 6500 | 6300 | | ADB | 6800 | 6500 |
| | ARB | 6000 | 5800 | | ARB | 6600 | 6300 |
| | NAR | 5800 | 5600 | | NAR | 6300 | 6100 |
| Total Moisture | ARB | 15% | 18% | Total Moisture | ARB | 7% | 10% |
| Inherent Moisture | ADB | 8% | 12% | Inherent Moisture | ADB | 5% | 9% |
| Ash Content | ADB | 12% | 16% | Ash Content | ADB | 10% | 14% |
| Volatile Moisture | ADB | around 35-45% | | Volatile Moisture | ADB | around 35-45% | |
| Fixed Carbon | ADB | by difference | | Fixed Carbon | ADB | by difference | |
| Total Sulphur | ADB | upto 1% | over 1% | Total Sulphur | ADB | upto 1% | over 1% |
| HGI | | around 40 to 50 | | HGI | | around 40 to 55 | |
| Size | 0-50 | around 85-90% | | Size | 0-50 | around 85-90% | |
| | | | | | | | |
| 7100 - 6600 | | | | 7300 - 7100 | | | |
| Typical Specs (will vary from mine to mine) | | | | Typical Specs (will vary from mine to mine) | | | |
| ASPECT | DETAIL | TYPICAL | REJECT | ASPECT | DETAIL | TYPICAL | REJECT |
| | ADB | 7100 | 6800 | | ADB | 7300 | 7100 |
| | ARB | 6900 | 6700 | | ARB | 7000 | 6800 |
| | NAR | 6700 | 6500 | | NAR | 6800 | 6600 |
| Total Moisture | ARB | 8% | 12% | Total Moisture | ARB | 7% | 11% |
| Inherent Moisture | ADB | 4% | 8% | Inherent Moisture | ADB | 4% | 8% |
| Ash Content | ADB | 8% | 12% | Ash Content | ADB | 6% | 10% |
| Volatile Moisture | ADB | around 35-45% | | Volatile Moisture | ADB | around 35-45% | |
| Fixed Carbon | ADB | by difference | | Fixed Carbon | ADB | by difference | |
| Total Sulphur | ADB | upto 1% | over 1% | Total Sulphur | ADB | upto 1% | over 1% |
| HGI | | around 40 to 70 | | HGI | | around 40 to 70 | |
| Size | 0-50 | around 85-90% | | Size | 0-50 | around 85-90% | |

Specifications of Petroleum Coke (Petcoke)

| Property | Unit | Petcoke Grade A | Petcoke Grade B | Petcoke Grade C | Typical Characteristics |
|-----------------------|---------|-----------------|-----------------|-----------------|---|
| As Received | | Guaranteed | Guaranteed | Guaranteed | |
| | | Limits | Limits | Limits | |
| Total Moisture | % | 8.0, max. | 8.0, max. | 8.0, max. | 4.0, max. |
| Air Dried Basis Ash | % | 1.0, max. | 1.0, max. | 1.0, max. | 0.6-0.8 |
| Volatile Matter | % | 8 min. | 8 min. | 8 min. | 9-11 |
| Fixed Carbon | Kcal/kg | 8200, min. | 8200, min. | 8200, min. | 8300-8500 |
| Gross Calorific Value | % | 7.0, max. | 7.5, max. | 8.5, max. | 6.0-7.0 Grade A 7.0-7.5 Grade B 7.5-8.5 Grade C |
| Sulphur | | 35, min. | 35, min. | | 38-45 for Grade A & Grade B |
| HGI | | | | | |

Conclusion

Petcoke can be used as a replacement of coal / lignite. It can be used in blend form along with coal / lignite or 100% in AFBC / CFBC boilers.

Calorific Values of Different Fuels

| Fuels | Value |
|-------------------------------|--------------|
| Commercial Fuels | |
| Coal (gross calorific value) | |
| Hard Coal | 5000 |
| Lignite beown coal | 2310 |
| Charcoal | 6900 |
| Petcoke | 8200 |
| | |
| Bio – Mass | |
| Agriculture Residues | |
| Pady , wheat straw, Rice husk | 3000 - 3500 |
| Cotton stalks | 4700 |
| | |
| Forestry residues | |
| Wood wastes | 23500 – 3850 |
| Bark | 2500 – 2850 |

COAL:

Coal is a non – renewable fossil solid fuel formed by a series of natural geo-chemical processes from the plant remains accumulated together with other sediments. It is combustible brown to black sedimentary rock, composed of heterogeneous components.

METHOD OF TEST FOR COAL AND COKE**As IS: 1350 (Part I) - 1984**

The methods of test for coal and coke are now covered in the following five parts:

1. Proximate analysis
2. Determination of calorific value
3. Determination of Sulphur
4. Ultimate analysis

Section (a) – Determination of carbon and hydrogen

Section (b) – Determination of nitrogen

5. Special impurities

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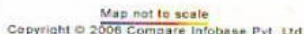
Website: www.fuelcogroup.com



Mr. Navalkishor Agrawal
(C.M.D)



Mr. Anshul Agrawal
Executive Director



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