



सत्यमेव जयते
भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रिय विद्युत प्राधिकरण
Central Electricity Authority
सचिव कार्यालय
Office of the Secretary

No. CEA/TETD-TT/2017/M-25/1137-1251

Dated: 24.11.2017

To

All State Power Secretaries, Thermal Power Generating Plants/ Utilities (Public or Private), Power Equipment Manufacturers – As per list

Subject: Biomass Utilization for Power Generation through Co-firing in Pulverised Coal Fired Boilers- Advisory के बारे में ।

Dear Sir,

As you may be aware that stubble burning has been cited as a major cause of recent smog in North- West India. Stubble burning is deliberate setting fire of the straw stubble that remains after harvesting of paddy and other crops. Instead of burning in open fields, these can be collected, processed and can be used as Biomass fuel to generate power.

Biomass Co-firing is a well proven technology. With increasing environmental awareness, power plants all over the world have adopted Biomass Co-firing as a strategy to combat pollution. UNFCCC recognizes Biomass Co-firing as a carbon neutral technology for mitigation of carbon emission from coal based power plants.

NTPC have successfully demonstrated the Co-firing of 7% blend of Biomass pellets with coal in its Dadri Power Plant. This can be replicated in other coal fired power plants having bowl mills/vertical roller mills/ beater mills.

Ministry of Power vide letter No. 11/86/2017-Th.II dated 17th November, 2017 have forwarded 'Policy for Biomass Utilization for Power Generation through Co-firing in Pulverised Coal Fired Boilers' and has requested to issue the same to all the Power Plants/ Utilities (public or private), State Governments, Power equipment manufacturers and other stake holders. The Policy has been uploaded on CEA website www.cea.nic.in

'In order to promote use of the Biomass pellets, all fluidized bed and pulverized coal units (coal based thermal power plants) except those having ball and tube mill, of power generating utilities, public or private, located in India, shall endeavor to use 5-10% blend of Biomass pellets made, primarily, of agro residue along with coal after assessing the technical feasibility, viz. safety aspects etc.'

Yours faithfully,



(P.C. Kureel)

Secretary, CEA

To

Central Utilities

1. Chairman & Managing Director, NTPC Ltd., NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003.
2. Chairman, Damodar Valley Corporation, DVC Towers, VIP Road, Kolkata- 700 054
3. Chairman & Managing Director, Neyveli Lignite Corporation Ltd., Corporate Office, Block-I, Neyveli - 607801 , Tamil Nadu

State Utilities

1. Managing Director, Andhra Pradesh Power Generation Corporation Limited, Vidyut Soudh, Hyderabad- 500 049 Andhra Pradesh
2. Managing Director, Assam Power Generation Corporation Ltd. , Bijuli Bhawan, 4th Floor, Palton Bazar, Guwahati 781001 Assam
3. Managing Director, Bihar State Power Generation Company Ltd., 1st Floor, Vidyut Bhawan, Bailey Road, Patna 800 021
4. Managing Director, Chhattisgarh State Power Generation Corporation Ltd., Dagniya, Raipur - 492 013 Chhattisgarh
5. Managing Director, Durgapur Projects Ltd., Dr. B C Roy Avenue, District Burdwan, Durgapur- 713 201 West Bengal
6. Managing Director, Gujarat State Electricity Corporation Ltd., Sardar Patel Vidyut Bhawan, Race Course, Vadodara 390 007 Gujarat
7. Managing Director, Gujarat Urja Vikas Nigam Ltd., Sardar Patel Vidyut Bhawan, Race Course Road, Vadodara- 390 007 Gujarat
8. Managing Director, Haryana Power Generation Corporation Ltd., Room No. 411, 3rd Floor, Urja Bhawan, C-7, Sector-6, Panchkula - 134 112 Haryana
9. Managing Director, Jharkhand Urja Vikas Nigam Limited, Engineering Building HEC, Dhurwa, Ranchi 834 004 Jharkhand.
10. Managing Director, Karnataka Power Corporation Ltd., Shakti Bhawan, 82, Race Course Road, Bangalore- 560 001
11. Managing Director , Maharashtra State Power Generation Corporation Limited, Plot No. G-9, Prakashgad, Bandra (East), MUMBAI-400 051
12. Managing Director, Madhya Pradesh Power Generation Corporation Ltd., Shakti Bhawan, Vidyut Nagar, Rampur P.O. , Jabalpur- 482 008
13. Managing Director, Odisha Power Generation Corporation Ltd., Zone- A, 7th Floor, Fortune Towers, Chandrashekharpur, Bhubaneswar -751 023 Odisha

14. Chairman & Managing Director, Punjab State Power Corporation Limited, The Mall, Patiala -147 001 Punjab
15. Chairman & Managing Director, Rajasthan Rajya Vidyut Utpadan Nigam Ltd., Vidyut Bhawan, R.C. Dave Marg, Jyoti Nagar, Janpath Jaipur – 302 005 Rajasthan
16. Chairman & Managing Director, Tamil Nadu Generation and Distribution Corporation Limited, 10th Floor, NPKRR Maaligai, 144, Anna Salai, Chennai- 600 002
17. Chairman & Managing Director, Telangana State Power Generation Corporation Limited, Vidyut Soudha, Khairatabad, Hyderabad – 500082
18. Managing Director, U.P. Rajya Vidyut Utpadan Nigam Ltd., 7th Floor, Shakti Bhawan, 14, Ashok Marg, Lucknow – 226 001
19. Chairman & Managing Director, West Bengal Power Development Corporation Ltd., Bidyut Unnayan Bhaban, Block- LA, Plot No. 3/C. Sector- III, Salt Lake City, Kolkata-700 098 West Bengal
19. Managing Director, Indraprastha Power Generation Co. Ltd. , Office of PRO, Himadri, Rajghat Office Complex, New Delhi - 110 001

State Government

1. Chairman & Managing Director, Rural Electrification Corporation, Core- 4, SCOPE Complex, 7, Lodhi Road, New Delhi – 110003.
2. Chairman & Managing Director, Power Finance Corporation Ltd., Urjanidhi, 1,Barakhamba Lane, Connaught Place, NEW DELHI-110 001.
3. Principal Secretary Head (Energy Dept.), Government of Andhra Pradesh Secretariat, Hyderabad- 500 022 Andhra Pradesh
4. Additional Chief Secretary (Power), WPT&BC, Assam Secretariat, (Government of Assam), P.O. Assam Sachivalaya, Block-C, Ground Floor, Dispur - 781 006 Assam
5. Principal Secretary (Energy), Government of Bihar, Irrigation Building, Sinchai Bhawan, 1st Floor, Patna – 800 015 Bihar
6. Principal Secretary (Energy), Government of Chhattisgarh, Room No. 308, DKS Bhawn, Mantralaya, Raipur, Chhattisgarh
7. Chief Secretary (Power), Government of NCT of Delhi, 8th Floor, Players Building, Delhi Secretariat, I.P. Estate, New Delhi – 110 002
8. Principal Secretary (Energy Deptt.), Government of Gujarat, Sachivalaya, Block No. 5, 5th floor, Gandhi Nagar-382 010 Gujarat
9. Financial Commissioner & Principal Secretary (Power), Government of Haryana Room No. 603, 6th floor, New Secretariat Building, Sector-17, Chandigarh – 160 017 Haryana
10. Principal Secretary (Energy) , Government of Jharkhand , Nepal House, Room No. 6, Doranda, Ranchi – 834002 Jharkhand

11. Addl. Chief Secy. & Principal Secy. (Energy), Energy Department, Government of Karnataka, Room No. 236, 2nd floor , Vikasa Soudha, Dr. Ambedkar Road, Bangalore - 560 001 Karnataka
12. Secretary (Energy), Government of Madhya Pradesh, Mantralaya, Bhopal- 462 001 Madhya Pradesh
13. Secretary (Energy), Government of Maharashtra, Industries Energy & Labour Deptt. , 4th floor, Mantralaya, Room no. 401 , Mumbai- 400 032
14. Commissioner-cum- Secretary, Department of Energy, Government of Odisha, Odisha Secretariat, Bhubaneshwar - 751 001 Orissa
15. Secretary (Power), Government of Punjab, Mini Secretariat, Sector- 9, Chandigarh – 160 009 Punjab
16. Secretary (Power), Chief Secretariat, Goubert Avenue, Puducherry – 605 001
17. Secretary (Energy), Government of Rajasthan, Main Building Secretariat, Janpath, Jaipur- 302 001 Rajasthan
18. Principal Secretary (Energy), Energy Department, Government of Tamil Nadu, Secretariat, Chennai - 600 009 Tamil Nadu
19. Principal Secretary, Energy Department, Government of Telangana, Room No. 328A, 2nd Floor, D- Block, T.S. Secretariat, Hyderabad – 500022 Telangana
20. Principal Secretary (Energy) , Government of Uttar Pradesh , Lal Bahadur Shastri Bhawan, Annexe, 5th Floor, Lucknow - 226 004 Uttar Pradesh
21. Principal Secretary (Energy) , Department of Power & NCES, Govt. of West Bengal, New Secretariat Building, I.K.S. Roy Road, 7th floor, Block 'A' , Kolkata-700 001 West Bengal

Power Equipment Manufacturers

1. Chairman & Managing Director, Bharat Heavy Electrical Ltd., BHEL House, Asiad Village, Siri Fort, New Delhi – 110 049
2. General Manager, L&T MHI Boilers Private Ltd., 12/4 Delhi Mathura Road, Near Sarai Khawaja Chowk, Faridabad – 121003 Haryana
3. General Manager, L&T – MHI Turbine & Generators Pvt. Ltd., 1st Floor, Pankaj Building, Chhani Road, Vadodara – 390 024 Gujarat
4. CEO, Alstom Bharat Forge Power Limited, IHDP Building, Plot # 7, Sector- 127, NOIDA – 201301 Uttar Pradesh
5. Managing Director, Toshiba JSW Power Syatems Private Limited, S. No. 74-95, Vaikkadu Village, Andarkuppam Check Post, Manali New Town, Chennai – 600103 Tamil Nadu

6. Vice President, Thermax Babcock & Wilcox Energy Solutions Private Limited, Energy House, D-2 Block, Plot No. 38 & 39, MIDC Area, R.D. Aga Road, Chinchawad, Pune – 411019
7. Managing Director, Doosan Power Systems India Pvt. Ltd., 18/2A, Sennerkuppam Bypass, Poonamallee, Chennai – 600056

IPPs / Generating Companies

1. Vice President, M/s Adani Power Limited, 8 A, Sambhav Building, Judges Bungalow Road, Bodakdev, Ahemdabad – 380 015 (Gujarat)
2. M/s Athena Chhattisgarh Power Pvt. Ltd., 7-1-24, B- Block, 5th Floor, B Block, Roxana Towers, Green Lands, Begumpet, Hyderabad- 500 016 Andhra Pradesh
3. M/s Atlas Power India Pvt. Limited, A-2, II Floor, Regency Splendour Apartments No. 25, Hall Road, Richards Town, Bangalore-560005
4. M/s Amaravati Thermal Power Private Limited, 6-3-1090, TSR Towers, Rajbhavan Road, Somajiguda, Hyderabad- 500082
5. M/s Astaranga Power Company Limited, 1259, Lakshmi Towers, Road No 36, Jubilee Hills, Hyderabad- 500033
6. Aban Power Company Ltd., 3rd Floor, 25 GN Chetty Road, T Nagar, Chennai – 600 017
7. Adhunik Power & Natural Resources Ltd., 208-209, 2nd Floor, Padma Tower-II, 22 Rajendra Place, New Delhi – 110 008
8. Alfa Infraprop Private Limited, 3rd Floor, Rider House, 136, Sector – 44, Gurgaon – 122 002
9. AES (India) Private Limited, 9th Floor, Tower – B, DLF Building No. 10, Cyber City, Phase – II, Gurgaon – 122 002 Haryana
10. BPL Power Projects (AP) Pvt. Limited, H. No. 8-2-293/82/NG/03, Plot No. 3, Road No. 69, Nandagiri Hills, Jubilee Hills, Hyderabad – 500 033
11. BGR Energy Systems Ltd., 443, Anna Salai Teynampet, Chennai – 600 018
12. Coastal Energen Pvt. Ltd., 7th Floor, Buhari Towers, 4, Moores Road, Chennai -600 006
13. M/S Corporate Power Ltd., Insignia Tower, EN1, Sector-V, Salt Lake, 3rd Floor, Kolkatta 700 091
14. CESC Limited, CESC House, Chowringhee Square, Kolkata- 700 001
15. CLP Power India Private Limited, 15th Floor, Oberoi Commerz, International Business Park, Oberoi Garden City, Goregaon (E), Mumbai – 400 063
16. Coastal Gujarat Power Limited (A Tata Power Company), Tunda Vandh Road, Tunda Village, Mundra , Kutch – 370 421
17. DHARIWAL Infrastructure (P) Ltd., CF-366, Salt lake City, Sector-1, Kolkata – 700064

18. Himanshu Jhavar, Sr. Vice President, D.B. Power Ltd., G-3A / 4-6, Kamanwala Chambers, New Udyog Mandir – 2, Mogul Lane, Mahim (W), Mumbai- 400 016
19. M/s East Coast Energy Pvt. Limited, 7-1-24, B Block, 5th Floor Roxena Towers, Greenland, Begumpet, Hyderabad 550 016 Andhra Pradesh
20. Essar Power Limited, Essar House, Prakash Deep, 10th Floor, 7 Tolstoy Marg, New Delhi – 110 001
21. Executive Vice President (Power Projects), GMR Energy Limited, IBC Knowledge Park, Phase 2, D- Block, 9th Floor, 4/1, Bannerghatta Road, Bangalore- 560 029
22. GVK Power & Infrastructure Limited, Paigah House, 156-159, Sardar Patel Road, Secundrabad – 500 003 Andhra Pradesh
23. M/s India Bulls Realtech Limited, “Indiabulls House”, 448-451, Udyog Vihar, Phase-V, Gurgaon-122001
24. M/s Ind-Barath Power (Utkal) Limited, Plot No 30-A, Road No 1, Film Nagar, Jubilee Hills, Hyderabad- 500 033
25. M/s. Ideal Energy Projects Ltd., 122, Telecom nagar, Pratap Nagar, Nagpur – 410022.
26. Director, Jindal Power Limited, Jindal Centre, 12, Bhikaji Cama Place, New Delhi- 110066
27. M/s Jindal India Thermal Power Limited, Plot No 12, Local Shopping Complex, Sector B-1, Vasant Kunj, New Delhi- 110 070
28. Sr. Vice President, M/s JSW Energy Limited, Jindal Mansion, 5A, Dr. G. Deshmukh Marg, Mumbai- 400026
29. M/S Jhabua power Ltd., 6th-7th Floor, Vatika Point, M.G.Road Phase II, Opposite First India Palace, Sector- 53, Gurgaon – 122 002
30. Avantha Power & Infrastructure Limited, 6th & 7th Floor, Vatika City Point, M.G. Road, Gurgaon – 122002
31. M/s Krishnapatnam Power Corporation Limited, Plot No 322, Road No 25, Jubilee Hill, Hyderabad-500033
32. M/s KVK Energy & Infrastructure (P) Limited, 6-3-1109/A/1, 3rd Floor, Navabharath Chambers, Somajiguda, Raj Bhavan Road, Hyderabad-500082
33. M/s Kineta Power Private Limited, Uma Enclave, 5th Floor, Road No. 9, Banjara Hills, Hyderabad-500 034
34. Head of SBU & CEO, Lanco Infratech Limited, Plot No 397, Udyog Vihar, Phase-III, Gurgaon-122 016 Haryana
35. Vice President (Technical), Lanco Anpara Power Limited, Plot No 397, Udyog Vihar, Phase-III, Gurgaon-122 016 Haryana

36. General Manager, Fuel Sourcing Group (E&C Power), Larsen & Toubro Limited, G-4, 2nd Floor, Gate No.1, Powai Campus, Saki-Vihar Road, Mumbai- 400072
37. M/S Lanco Amarkantak power Ltd., Plot No. 397, Phase-III, Udyog Vihar, Gurgaon-122016, Haryana
38. M/s Maithon Power Limited, (JV of Tata Power & DVC), C- 43, Sector-62, Noida 201 307 (UP)
39. M/s Moser Baer Power & Infrastructure Limited, 43 B, Okhala Industrial Estate, New Delhi- 110020
40. Meenakshi Energy Private Limited, Meekashi House, 8-2-418, Road No. 7, Banjara Hills, Hyderabad – 500 034
41. M/s NSL Power Limited, NSL ICON, Door No. 8-2-684/2/A, Plot Nos. 1to 4, 4th Floor Road No. 12, Banjara Hills, Hyderabad-500034
42. M/s Reliable Thermal Power limited, C-101, Ground Floor, East of Kailash, New Delhi-110065
43. Shri J. P. Chalsani, Chief Executive Director, Reliance Power Limited, Reliance Energy Centre, Shanta Cruz East, Mumbai-400 055
44. R.K.M. POWERGEN PVT LTD, 2nd & 3rd Floor, 14 Dr. Giri Appa Road, T. Nagar, Chennai-600017
45. M/s Sahara India Power Corporation Limited, Sahara India Centre, 5th Floor, 2, Kapoorthala Complex, Aliganj, Lucknow-226024
46. M/s Sheshadri Power & Infrastructure (P) Ltd., Surya Towers, 6th Floor, 105, Sardar Patel Road, Secundrabad-500003
47. M/s SJK Powergen Limited, 501, Waves Apartments, 4th Floor, Opp. R.K. Beach, Adjacent to SAIL Office, Visakhapatnam- 530 003
48. M/s SKS Ispat and Power Limited, 501 B, Elegant Business Park, Andheri Kurla Road, J.B. Nagar, Andheri (E), Mumbai-400 059
49. M/s SLS Energy Private Limited, 1445, “Vajras”, 1st Floor, 28th Main, Southend ‘A’ Cross Jayanagar, 9th Block (East), Bangalore-560069
50. M/s Sophia Power Company Ltd., Indiabulls House, 448-451, Udyog Vihar, Phase-V, Gurgaon-122001
51. Chief Operating Officer, Spectrum Power Generation Limited, Plot No 231, 8-2-293/82/A/231, 3rd Floor, Road No. 36, Jubilee Hills, Hyderabad-500 033
52. M/s SRM Energy Private Limited, 43, Free Press House,215, Nariman Point, Mumbai-400021
53. M/s Sterlite Energy Pvt. Ltd., 1st Floor, City Mart Commercial Complex, Baramundra, Bhubaneswar-751003

54. M/s. Simhapuri Energy pvt. Ltd., Madhucon, Greenland, 6-3-866/2, 3rd Floor, Begumpet, Hyderabad-500016
55. Managing Director, Tata Power Company Limited, 24, Homi Mody Street, Mumbai-400 001
56. Shri K. Chandrashekhar, Director (Projects), Tata Power Company Limited, Dharavi Receiving Station, Matunga, Mumbai-400 019
57. M/s Torrent Power Limited, Torrent House, Off Ashram Road, Ahemdabad-380009
58. DGEN Mega Power Project, Torrent Energy Limited, Plot No. Z-9, Dahej SEZ Area (Eastern Side), Taluka Vagra, Distt. Bharuch – 392130 Gujarat
59. M/s VIDEOCON Industries Limited, VIDEOCON Towers, 12th Floor, E-1, Jhandewalan Extn., New Delhi-110055
60. VANDANA VIDYUT Ltd., Vandana Bhawan, MG Road, Raipur – 492 001, Chhattisgarh
61. Wardha Power Company Private Limited, Sony Apartment, 2nd Floor, 19, REbella Road, Bandra West, Mumbai – 400 050
62. CEO, Jinbhuvish Power Generation Pvt. Limited, 155- A, Mittal Tower, Nariman Point, Mumbai- 400 021
63. Managing Director, Godawari Power and Ispat Ltd., Plot No. 428/2, Phase I, Industrial Area, Distt. Raipur, Siltara – 493111 Chhattisgarh
64. Managing Director, Godawari Power and Ispat Ltd., Hira Arcade, 1st Floor, New Bus Stand, Pandri, Raipur – 492001 Chhattisgarh