

**Ministry of Power
Central Electricity Authority
Fuel Management Division**

**Report
of the
Committee to suggest modification
in the
Standard Operating Procedure (SOP)
on
Third Party Sampling and Analysis of Coal**

July, 2015

Report of the committee to suggest necessary modification the Standard Operating Procedure (SOP) of CIL related to Third Party Sampling

The Hon'ble Minister of State / Incharge for Power, Coal and Renewable energy in a meeting with Coal India Limited (CIL) Official at Kolkatta on 19.06.2014 and subsequently with official of Ministry of [Power, Coal, CEA and different Power Producers on 20.06.2014 discussed and decided that in addition to the agency engaged by CIL, a panel of reputed third party inspection agencies, companies would be jointly drawn up a committee consisting of representative from power Utilities and CEA with the concurrence of CIL.

- 1.2 A meeting was convened by Chief Engineer (OM), Central Electricity Authority on 08.08.2014 to formulate the panel for third party samplers. A list of third party sampler prepared by CEA based on the feedback received from the various power utilities was prepared and sent to CIL for further necessary action.
- 1.3 CIL notified the list of third party samplers agencies as recommended by CEA. CIL informed to its subsidiary coal companies for taking further necessary action and communicate to the power Producers / Utilities / IPPs having FSA with them about introduction of the above system for selecting the agency.
- 1.4 Coal India Limited prepared the Standard Operating Procedure (SOP) for coal sampling and analysis at loading point by panel of third party samplers approved by the Power Utilities /Power Producers in September, 2014 (**Annex-I**). Further, CIL vide letter dated 7.05.2015 had revised the procedure of third party sampling. A copy of same is enclosed at **Annex-II**.

1.5 A meeting taken by Member (Planning) Central Electricity Authority to obtain their feedback / suggestions on the difficulties faced by Power Utilities in third party sampling with the coal companies and to enlarge panel of Third Party Sampler Panel with the consent of Power Utilities on 14.05.2015. After detailed discussions, the given by power utilities were as summarized below:

- (i) Coal companies were requested to provide proper enabling conditions/infrastructure for preparation of coal samples, proper storage of referee samples etc at loading points.
- (ii) Third Party Agency appointed by the Power Utilities/IPPs shall undertake analysis at either the Coal Company (CIL/SECL) lab or get it analysed at any accredited independent laboratory.
- (iii) The coal company's representatives regularly do not witness the sample collection process. They ignore the analysis results on the grounds that they were not a party to it.
- (iv) There is lack of proper infrastructure at Coal Company's sidings for storage and drying of samples. Bags used for sample collection are not in good condition. Also, there is no lock and key arrangement in the lab of Coal companies. Hence, there could be chance of tempering of the samples kept for analysis.
- (v) Interference of coal companies during the sample preparations were also indicated. Coal Company's representatives remove the shale, band, stones and other extraneous materials during the sample preparation. This resulted in an unrepresentative sample.

- (vi) Power utilities reported that there are instances of wide variation in grade and grade slippage between the grades declared by coal companies in the issued coal bills and actual test analysis result of third party agency appointed by the Power Utilities / IPPs. Coal Companies are not responding on the issue of credit notes on account of continuous grade slippage.
- (vii) The Area Managers of coal companies do not accept analysis results that were not in line with the declared grade. The Area Managers also stopped dispatches when the analysis results were not in line with the declared grade.
- (viii) The Coal Company needed to be impressed upon for accepting the analysis results of the Third Party Agency; otherwise the whole purpose of appointing a Third Party Agency will be defeated.
- (ix) The time period for submission of testing & analysis report of the coal samples to subsidiaries of coal companies need to be increased to 20 – 25 days which is 14 days as per SOP.
- (x) The Coal Company raises the initial bills to Power Utilities/IPPes on the basis of declared GCV bands. The Coal Company shall issue credit /debit notes arising out of variation between the results of the analysis done by Third Party Agency (appointed by the Power Utilities/IPPes) and the declared GCV bands. Thus the final payment shall be based on the analysis results of Third Party Agency appointed by the Power Utilities/IPPes.

1.6 Power Utilities informed that they were facing many difficulties in implementation of independent third party sampling by agencies

appointed by them. All the power utilities recommended that independence of third party agency needs to be ensured in SOP. Therefore, they opined that SOP formulated by CIL needed to be amended. Third party agency appointed by Power Utilities should collect & prepare coal samples and representative of coal companies should witness the sampling and sign the report of sample collection & preparation and if not signed/witnessed such failure/ refusal should not be considered as a ground for disputing the result submitted by third party.

- 1.7 Power Utilities suggested that a committee under the Central Electricity Authority (CEA) may be constituted along with representative of power utilities to look into the issue so that views of power utilities could be communicated for necessary modifications / changes in the SOP. Record note of discussions of the meeting taken by Member (Planning), CEA are enclosed as **Annex-III**.
- 1.8 A Committee was constituted under the Chairmanship of Chief Engineer (OM), CEA with the representative from NTPC, HPPGCL, MPPGCL, KPCL, DVC and Association of Power Producers (APP) vide CEA letter No. CEA/Plg/OM/1/1//2015/899-906 dt. 15th May, 2015 to look into various items of SOP & suggest necessary modification related to SOP. **(Appendix-I)**.
- 1.9 First meeting of the Committee was held on 22.05.2015, second meeting was held on 02.06.2015 in CEA, Sewa Bhawan, New Delhi and third meeting was held on 10.06.2015 at NTPC Badarpur, Delhi. List of participants are enclosed as **Annex-IV**.
- 1.10 After detailed discussions, the committee recommended following modifications in the existing Standard Operating Procedures (SOP) of CIL for third party coal sampling and analysis:

Recommendations of the Committee on Standard Operating Procedure (SOP) for coal sampling and analysis

A. Modalities for collection of sample:

Collection of coal sample shall be as mentioned below:

- (i) The authorization of the person engaged by the third party agency shall be issued by General Manager (Quality Control) of the subsidiary company of CIL within two working days after submission of details by power utility. Similarly, the name of representative for witnessing the work of third party sampling on behalf of Coal Company, siding wise, is to be provided by GM (QC) of subsidiary company of CIL. Only the authorized person of subsidiary company of CIL will witness the complete procedure of sample collection and preparation.
- (ii) CIL subsidiaries shall intimate about placement of rakes in advance to the third party agency appointed by power utility for sampling so that they can reach the siding in time.
- (iii) Coal samples shall be collected and prepared by third party agency appointed by Power utilities/ developers. All manpower required for sampling and analysis shall be deployed by the third party agency. Collected sample shall be a representative sample of the coal dispatched to the power station.
- (iv) Third party agency of power utility shall work independently at the siding/loading point of subsidiary coal company of CIL. Sample shall be drawn as per procedure laid down in FSA for all mode of supply of coal from siding to TPS. Selection of wagons shall be done as per Random Table **IS 436 part-I Section-I 1964**. The selection of random table shall be decided by third party of power utility and to be kept confidential till loading of rake is complete.
- (v) Proper sampling platform, sufficient lights, separate store room for individual consumer shall be provided by the coal company round the clock. During rainy season, well ventilated room/required facilities shall be made available in all sidings with single door with lock & keys to dry the sample before preparation.
- (vi) The sample bags shall be sealed by third party agency immediately after its collection. The collection of sample may be witnessed by the authorized person of subsidiary company of CIL/ power utility. In case of dispute, the videography of same shall be made during the procedure followed for entire collection of sample & the expenses of videography shall be borne by the party who raises the dispute. The videography shall be referred to a body nominated by CEA, whose decision shall be final and binding on both the parties.

- (vii) In case seller fails /declines to participate in the process of sampling and analysis by the designated third party agency, such failure/ refusal of the seller shall not be considered as a ground for disputing the result submitted by the third party agency.
- (viii) In the event no sample is collected by the third party agency from dispatches by a rake or on any day, as the case may be, from a source for any reason, the weighted average of the most recent results of preceding month against respective source and grade shall be adopted for such dispatches for which samples were not collected, for payment purposes.

B. Preparation & analysis of coal samples:

- (i) Modalities for storage & preparation of samples would be strictly as per guidelines laid down in Fuel Supply Agreement (FSA) .
- (ii) The total moisture of collected sample shall be determined as per procedure laid down in FSA / **IS 1350 Part-I**. Only surface moisture will be determined at loading end & Inherent Moisture shall be determined at National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited/Government lab. If the facilities are not made available by Coal Company, same shall be arranged by the third party agency.
- (iii) CIL shall provide the necessary crushing facilities for sizing, reduction and storage of samples at the loading end. Necessary sample packing material/bags shall be arranged by the third party agency appointed by the power utility. In case mechanical equipments for preparation of sample at loading point are out of order or not working, for more than 24 hrs, the sample size upto 3.35 mm shall be prepared manually by third party agency of power utility at loading end. Final sample size of 212 micron shall be prepared by the third party agency appointed by the power utility at NABL accredited/Government lab. The authorized representative of Coal Company may witness the sample preparation. In such cases, communication of the analysis results may get delayed and CIL subsidiaries shall not insist for timely submission of reports.
- (iv) The final sample of size 212 micron shall be divided into three parts:
 - a. First part shall be taken by the third party agency appointed by the power utility for analysis at NABL accredited / Govt. lab. Results shall be communicated to GM (QC) within 4 weeks from the date of sampling.
 - b. Second part shall be handed over to the coal company.
 - c. Third part shall be a referee sample, which shall be kept at loading end under joint seal of the Seller, Purchaser and

the third party in the safe custody of third party for 45 days or until the result of the sample is accepted, whichever is earlier, in a locker unit provided by seller. If locker unit is not available then power utility will provide the same.

- (v) Analysis report of the samples collected at loading end submitted by the third party appointed by the power utility shall be final and applicable for payment purposes as per provisions of FSA. In the event of dispute raised by the seller, within one week after submission of the analysis report by the third party appointed by power utility, referee sample shall be sent for further testing at CIMFR. In case the third party agency is CIMFR, the referee sample shall be sent to CPRI/NABL accredited Government lab. Analysis results of the referee sample shall be final and binding on both the parties.
- (vi) Amendment in SOP shall be considered by a Standing Committee comprising representative from CEA, CIL, NTPC, HPGCL, MPPGCL, KPCL, DVC and Association of Power Producers (APP).
- (vii) Above mentioned SOP shall also be applicable for the coal supplies from Singareni Collieries Companies Limited (SCCL).

Note:


Coal companies shall issue credit/ debit notes based on the results submitted by the third party agency appointed by the power utility within 2-3 weeks from the date of submission of reports.



(S. S. Dalal)
Chief Engineer (OM), HPGCL



(S. N. Sharma)
Asstt. Executive Engineer, KPCL



(B. R. Singh / A. K. Sahay)
AGM (FM) / AGM (OS-Chem), NTPC



(Z. A. Ansari / R. K. Tiwari)
Ch. Chemist/Sr. Chemist, MPPGCL



(Sanjay Kumar)
Supt. Engineer (Fuel), DVC



(Abhishek Chatterjee)
Association of Power Producers



(M. P. Singh)
Director (OM), CEA &
Convener of the Committee



(A. K. Mishra)
Chief Engineer (OM), CEA &
Chairman of the Committee



भारत सरकार/GOVERNMENT OF INDIA
विद्युत मंत्रालय/MINISTRY OF POWER
केन्द्रीय विद्युत प्राधिकरण/CENTRAL ELECTRICITY AUTHORITY
सेवा भवन, रामाकृष्णा पुरम/SEWA BHAWAN, R.K.PURAM
नई दिल्ली/NEW DELHI-110066



(आई.एस.ओ. 9001:2000)

Appendix

No. CEA/Plg/OM/1/1/2015/899 — 906

Dated 15th May, 2015

Subject: Committee to suggest necessary modification in the Standard Operating Procedure (SOP) of CIL related to Third Party Sampling.

A meeting was taken by Member (Planning), CEA on 14.05.2015 with the representative of power utilities / IPPs to discuss the issues related to third party sampling & existing CIL's Standard Operating Procedure (SOP) for coal sampling and analysis at loading end. It has been decided to constitute a committee with following composition to look into various items of SOP and suggest necessary modifications related to SOP:

- | | | |
|-------------------------------|---|---------------------------|
| 1. Chief Engineer (OM), CEA | - | Chairman of the committee |
| 2. Representative from NTPC | - | Member |
| 3. Representative from HPGCL | - | Member |
| 4. Representative from MPPGCL | - | Member |
| 5. Representative from KPCL | - | Member |
| 6. Representative from DVC | - | Member |
| 7. Representative from APP | - | Member |
| 8. Director (OM), CEA | - | Convener |

The committee shall submit its report within one month.

The nomination for the Committee may be communicated to the convener of the Committee. The 1st meeting of the committee is scheduled to be held on 22.05.2015 at 11.30 AM in the chamber of Chief Engineer (OM), CEA (Room No. 314, 3rd Floor), Sewa Bhawan, New Delhi.

15/5/15
(P. D. Siwal)
Secretary, CEA

Copy to :

1. The Chairman & Managing Director, NTPC Ltd., Core 7, Scope Complex, Lodhi Road, New Delhi - 110003.
2. The Managing Director, Haryana Power Generation Corp. Ltd., Shakti Bhawan, Sector - 6, Panchkula - 134109, Haryana.
3. The Chairman & Managing Director, M.P. Power Generating Co. Ltd., Shakti Bhawan, Vidyut Nagar, Jabalpur - 482008
4. The Managing Director, Karnataka Power Corporation Ltd., Shakti Bhawan, No. 82, Race Course Road, Bangalore - 560 001.
5. The Chairman, Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata - 700054.
6. Director General, Association of Power Producers (APP), 21A, 1st Floor Janpath, New Delhi. -110001 Tel: 23738340, Fax. No. 23738344.

Copy for information to:

1. SA to Chairperson, CEA
2. SA to Member (Planning), CEA

ENGAGEMENT OF THIRD PARTY SAMPLERS BY THE
POWER UTILITIES / POWER PRODUCERS

Section-I;

Preamble:

During the meeting held by Hon'ble MOS(IC) for Power, Coal and New & Renewable Energy with Association of Power Producers on 20th June 2014 where officials of Ministry of Coal / Ministry Of Power, CEA and different power producers were present, it was agreed that in addition to the agency engaged by CIL, a panel of reputed "third party sampling companies" would be drawn up by a committee consisting of representatives from power utilities and CEA with the concurrence of CIL. The panel drawn up by the said committee would be notified by CIL. The Power utilities/ developers will select and appoint the third party samplers from the panel duly finalized by CEA and empanelled by CIL for carrying out collection, preparation of coal samples at loading end of subsidiary coal company and the analysis / testing of coal samples at their [Third Party Samplers] own Laboratory duly nominated by CEA / CIL for this purpose.

Further in the meeting held on 19.8.2014 at Haryana Govt. Secretariat, Chandigarh between MOS (I/C) Coal / Power / NRE, along with representatives of MOC, MOP, CEA, CIL and Chief Minister of Haryana along with other dignitaries of Haryana Govt. where Sri Devendra Singh, Principal Secretary (Power), Haryana State Government raised the issue of quality of coal and envisaged on Independent Third Party Sampling by Power Utilities / developers. In the meeting Hon'ble MOS (I/C) Coal/ Power/NRE directed that Independent Third Party Sampling to be undertaken by Power Utilities has already been decided and CIL & CEA are already jointly in process of implementation of the same. It was reiterated that Power Utilities shall carry out Third Party sampling and analysis at their own independent Laboratory.

In the note dated 20.8.14 of CIL processed for this purpose, Chairman CIL has directed to put in place the standard operating procedure for the same (Copy enclosed). Accordingly the observations of CIL for the standard operating procedures to be adopted are given in the next section.

Section-II;

Standard operating procedure for coal sampling and analysis at loading end:

A. Modalities for collection of sample:-

1. Collection of sample should be strictly as per guidelines given by Coal Controller office / Bureau of Indian Standards (BIS).
2. Provisions of above modalities are already laid down in FSA signed between the Coal Company and the Power Utilities which already has approval of the CIL Board [Schedule-V of FSA Models for Power Utilities]. A set of the detailed modalities for third party sampling to be engaged by Power Utility is enclosed.

3. Collection of samples shall be as mentioned below:-

- (i) Coal samples may be collected by both third party agencies viz. parties appointed by CIL and Power Utilities / developers for sampling procedure like sample preparation, testing & analysis.

DM-10904
21.9.14

Or

(iii) Samples may be drawn independently by both third party and post sampling assignments may be undertaken independently. In this case there may be possibility of variation in results for inherent nature of coal.

B. Preparation and analysis of coal samples:-

(i) Modalities for storage and preparation of joint samples would be strictly as per guidelines given by Coal Controller office / Bureau of Indian Standards (BIS). Provisions of above modalities are already laid down in PSA [Schedule-V of FSA Models for Power Utilities copy enclosed in section-III].

(ii) Preparation of coal samples collected by third party samplers shall be done at the loading end of subsidiary coal company.

(iii) Analysis / testing of the prepared sample may be done at the coal companies laboratories which are already infrastructurally well equipped.

(iv) If the purchaser so wishes, it can get the sample tested / analysed at any accredited independent laboratory of the Third Party Sampler nominated by CEA / CIL for this purpose.

(v) In case of dispute, referee samples would be kept for 14 days before sending for further testing at CIMFR (finalized by CEA) or until the results of the sample is accepted whichever is earlier.

Submitted for kind approval of the above modalities / SOP before circulating to Subsidiary Coal Companies.

General Manager (QC), CIL *[Signature]* 2/9/14

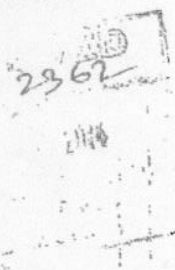
General Manager (S&M), CIL *[Signature]* 2/9/14

Director (Marketing), CIL
for kind approval of Chairman, CIL
[Signature] 2/9/14

CH-352/W
11-9-14
Chairman, CIL

D(M)

[Signature] 8/9/14





Office of the Directorate Marketing
Marketing Division
Apeejay House, A-Block, 6th Floor
15 PARK STREET, KOLKATA-16

Ref No. CIL/C-4B/TPS (PUs/IPPs)/15-16/

Date: 07.05.2015

To,

All General Managers (QC/QM),
ECL / BCCL/CCL/WCL/SECL/ NCL/MCL,

Sub: Third Party Sampling of Coal-reg

Dear Sir(s),

The above referred subject had been discussed in 94th meeting of CMDs held on 6th April 2015 at Kolkata. The decision of CMDs meeting is given as under vide pt. no. 16.2;

(a) Post loading samples should be collected jointly at loading end in presence of representative of Coal Companies and that of Power Houses.

(b) The sample will be divided into three parts;

i) First part shall be taken by Power House for analysis at their end.

ii) Second part shall be analysed by Coal Company.

iii) Third part shall be jointly sealed and kept in joint custody at loading end which may be used as Referee Sample and be analysed at a mutually agreed NABL Accredited Laboratory in case of any dispute.

The above decisions are taken in the last CMDs meet which are stated above for your kind-perusal and implementation at your end.

Yours faithfully,

[Signature]
General Manager (QC), CIL

- Copy to: 1. Director (Technical) P&P / Opn-(ECL/BCCL/CCL/MCL/SECL/WCL/NCL/NEC)
with the request to kindly ensure expeditious compliance.
2. CGM, TS to Chairman, CIL
3. General Manager (S&M), CIL
4. GM, TS to D (M), CIL
5. General Manager (S&M), New Delhi
6. General Manager (Chem. & Coke), CIL-With a request to follow up.

To

1. The CE (Gen) S&TPS Birsaipur
2. The CE (Gen) S&TPS Barni

for information pl.

20/5/15
चित्तहर



Government of India
Ministry of Power
Central Electricity Authority
Operation Monitoring Division
Sewa Bhawan, R.K.Puram
New Delhi-110066



(I.S.O. 9001:2008)

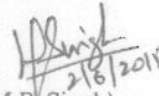
No. CEA/Plg/OM/1/1/2015/

Dated: 2nd June, 2015

Subject: Record Note of discussions of the meeting taken by Member (Planning), CEA on 14.05.2015 issue related to Third Party Sampling - reg.

Please find enclosed a copy of the record note of discussions of the aforesaid meeting taken by Member (Planning), CEA on 14.05.2015 for information and necessary action.

Encl: As above


2/8/2015
(M.P. Singh)
Director

Copy to:

1. The Chairman, Coal India Ltd., 10, Netaji Subhash Marg, Kolkata-700016.
2. The Chairman & Managing Director, NTPC Ltd., Core 7, Scope Complex, Lodhi Road, New Delhi - 110003.
3. The Chairman, Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata - 700054.
4. The Managing Director, Haryana Power Generation Corp. Ltd., Shakti Bhawan, Sector - 6, Panchkula - 134109, Haryana.
5. The Chairman, Punjab State Power Corporation Ltd, The Mall, Patiala 147 001.
6. The Chairman & Managing Director, Rajasthan Rajya Vidyut Utpadan Nigam Ltd., Vidyut Bhawan, Jyoti Nagar, Janpath, Jaipur - 302 005
7. The Managing Director, Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd. Shakti Bhawan, 14 Ashok Marg, Lucknow - 226 001.
8. The Chairman, Chhattisgarh State Power Generation Company Ltd, Dangania, P.O. Sunder Nagar, Raipur - 492013.
9. The Chairman & Managing Director, Gujarat State Electricity Corporation Ltd., Sardar Patel Vidyut Bhawan, Race Course, Vadodara - 390 007.
10. The Chairman & Managing Director, M.P. Power Generating Co. Ltd., Shakti Bhawan, Vidyut Nagar, Jabalpur - 482008
11. The Managing Director, Maharashtra State Power Gen. Co. Ltd. 6th Floor, Prakashgad, Plot No. G 9, Bandra (East), Mumbai - 400 0051.
12. The Managing Director, Andhra Pradesh Power Generation Corpn. Ltd. Vidyut Soudha, Khairatabad Hyderabad - 500082.
13. The Managing Director, Karnataka Power Corporation Ltd., Shakti Bhawan, No. 82, Race Course Road, Bangalore - 560 001.
14. The Chairman & Managing Director, Tamil Nadu Generation and Distribution Ltd., IInd Floor, NPKRR Maaligai, 144, Anna Salai, Chennai. (044-28520131).

15. The Managing Director, Karnataka Power Corporation Ltd., Shakti Bhavan, No. 82, Race Course Road, Bangalore – 560 001.
16. The Chairman & Managing Director, Telangana Power Generation Corporation Ltd, Vidyut Soudha, Khairatabad, Hyderabad-500082. Fax No. 040-2349166
17. The Chairman, Jharkhand State Electricity Board, Engineering Building, P.O. Dhurwa, Ranchi, Jharkhand – 834004.
18. The Managing Director, Orissa Power Generation Corp. Ltd., Zone A, 7th Floor, Fortune Tower, Chandrashekharapur, Bhubaneshwar – 751022
19. The Managing Director, The West Bengal Power Development Corp. Ltd., Bidyut Unnayan Bhawan, 3/C LA Block, Sector-III, Salt Lake City, Kolkata – 700 098.
20. The Managing Director, Torrent AE Co., Electricity House, 2nd Floor, Sabarmati, Laldarwaza, Ahmedabad – 380001.
21. The Managing Director, IPGCL, IP Thermal Power Station, Kotla Road, New Delhi.
22. The Managing Director, Tenughat Vidyut Nigam Ltd, Hinoo, Doranda, Ranchi-834002.
23. The Chairman, Durgapur Projects Ltd., 1593, Rajdanga Main Road, Kolkata-700 107, West Bengal.
24. The Chairman Cum-Managing Director, Reliance Energy Ltd., Reliance Energy Centre, Santa Cruz (E), Mumbai 400055.
25. M/s Adani Power Ltd., Shikhar, Nr. Mithakhali Circle, Navrangpura, Ahmedabad-380 009
26. The Director, LANCO Amarkantak Power Private Limited, Lanco House, Plot# 397, Udyog Vihar, Phase-3, Gurgaon-122016. Ph-0124-4741000.
27. The General Manager (CA &PM), Aravali Power Co. Pvt. Ltd., 1st floor, Pawan Hans towers, C-14, Sector-1, NOIDA -201301 (UP).
28. The Managing Director, Jhajjar Power Ltd. (CLP Group Co.), Village- Khanpur, Tehsil- Matenhail, Distt. Jhajjar, Haryana – 124142.
29. The Chief Executive Officer, Sterlite Energy Limited, Jharsuguda, Orissa.
30. The Chief Executive Officer, NTPC SAIL Power Co. Pvt. Ltd., 4th floor, 15, NBCC Tower, Bhikaji Cama Place, New Delhi-110066.
31. The Chairman & Managing Director, Kanti Bijlee Utpadan Nigam Ltd., NTPC Bhawan, Core-7, Scope Complex, Lodhi Road, New Delhi-110003
32. The Vice President, Bajaj Energy Pvt. Ltd., Bajaj Bhawan, Jannalal Bajaj Marg, B-10, Sector-3, Noida-201301 (UP).
33. The Head (Fuel), LANCO Anpara Power Ltd., LANCO HOUSE, Plot No. 397, Udyog Vihar, Ph-3, Gurgaon-122016.
34. The Director, Rosa Power Supply Co. Ltd., 1st floor, I-Block, Dhirubhai Ambani Knowledge City, Kopar Khairana, Navi Mumbai – 400710.
35. The AGM (Coal), Maithon Power, A-5 Govana Maithon Dam 828207, Dhanbagh, Jharkhand.
36. The Vice President (Generation & Fuel Management), CESC Ltd., Statesman House, 4 Chowringee Square, Kolkata-700001.Ph:033-22129890, Fax: 033-22129875.
37. The Director, EMCO Energy Ltd., 9th & 10th floor, IBC Knowledge Park, 4/1, Bannerghatta Road, Bangalore- 560029. Fax- 80 40432180.
38. The Managing Director, Orissa Power Generation Corp. Ltd., Zone A, 7th Floor, Fortune Tower, Chandrashekharapur, Bhubaneshwar – 751022.
39. The Associate Vice President (Commercial), Talwandi Sabo Power Ltd., Village Banawala, Distt. Mansa –Punjab. (Fax -01655-218840)
40. The Executive Director, M/s Jindal India Thermal Power ltd.(Derang), Plot No. 12, Local Shopping Complex, Sector B-1, Vasant Kunj, New Delhi-110070.
41. The Vice President(Thermal Projects), MB Power Limited. 235, Okhla Industrial Estate, Phase-III, New Delhi-110020.

42. The Managing Director, KVK Energy & Infrastructure Pvt Ltd, Plot No- 484/A, Road No. 36 Jublee Hills, Hyderabad-33.
43. The Managing Director, Thermal Powertech Corporation Ltd, 6-3-1090, 2nd & 3rd Floors, C- block, TSR Towers, Rajbhavan Road, Somajiguda, Hyderabad-500082.
44. The Managing Director, Avantha Power & Infrastructure Limited, Thapar House, 124 Janpath, New Delhi-110001.
45. The Managing Director, NTECL, Vallur Thermal Power Project, Vellivoyal Chavadi Post, Ponneri Taluk, Thiruvellur Dist., Chennai – 600 103
46. The Managing Director, Jaypee Bina Thermal Power Plant, Sector-128, Noida-201304, Uttar Pradesh.
47. The Managing Director, L&T Ltd, Ambadeep Buliding, 9th Floor, 14, Katurba Gandhi Marg, New Delhi-01.
48. The Managing Director, KSK Energy (Wardha Warora), 307 Silver Arch Apartments, 22 surkasha road, New Delhi-01 (Fax No. 41505802)
49. The Managing Director, GMR Kamalanga Energy Ltd., HIG-28, Gangadhar Meher Marg, Jaydev Vihar, Bhubaneswar, Odisha.
50. General Manager (S&M), CIL, Scope Minar, Core No. 2 5th Floor, District Centre, Laxmi Nagar, New Delhi – 110092.
51. Director General, Association of Power Producers, 21A, Ist Floor Janpath, New Delhi. -110001 Tel: 23738340, Fax. No. 23738344.

Copy to :

1. Joint Secretary (OM), Ministry of Power
2. Joint Secretary (LA), Ministry of Coal

Copy for information to : Member (Planning), CEA

**Record Note of Discussions of the Meeting taken by Member
(Planning), CEA on 14th May, 2015 at 11.00 AM regarding Third
Party Sampling**

List of the Participants is at Annex-I.

Member (Planning), CEA welcomed the representatives of power utilities, Coal India Limited (CIL) and Association of Power Producer (APP). Initiating the discussion, Member (Planning), CEA stated that the power utilities have appointed/ in the process of appointing Third Party Sampling Agencies from the panel of the "Third Party Samplers" for carrying out collection, preparation of coal samples and testing of coal samples at loading end. The panel of third party samplers was formulated by CEA in consultation of power utilities and same was subsequently notified by CIL. He mentioned that objective of the meeting is to discuss the suggestion as well as constraints of power utilities in implementing the third party sampling. He said that Power Utilities informed that they were facing number of problems in collection of samples as per Standard Operating Procedure (SOP) laid down by CIL for coal sampling and analysis. He then asked Chief Engineer (OM), CEA to take up agenda items. After detailed discussions, the feedback / suggestions given by power utilities are summarized below:

- (i) Coal companies were requested to provide proper enabling conditions/infrastructure for preparation of coal samples, proper storage of referee samples etc at loading points.
- (ii) Third Party Agency appointed by the Power Utilities/IPPs shall undertake analysis at either the Coal Company (CIL/SECL) lab or get it analysed at any accredited independent laboratory.
- (iii) The coal company's representatives regularly do not witness the sample collection process. They ignore the analysis results on the grounds that they were not a party to it.
- (iv) There is lack of proper infrastructure at Coal Company's sidings for storage and drying of samples. Bags used for sample collection are not in good condition. Also, there is no lock and key arrangement in the lab of Coal companies. Hence, there could be chance of tempering of the samples kept for analysis.
- (v) Interference of coal companies during the sample preparations were also indicated. Coal Company's representatives remove the shale, band, stones and other extraneous materials during the sample preparation. This resulted in an unrepresentative sample.
- (vi) Power utilities reported that there are instances of wide variation in grade and grade slippage between the grades declared by coal companies in the issued coal bills and actual test analysis result of third party agency appointed by the Power Utilities / IPPs. Coal Companies are not responding on the issue of credit notes on account of continuous grade slippage.
- (vii) The Area Managers of coal companies do not accept analysis results that were not in line with the declared grade. The Area Managers also stopped dispatches when the analysis results were not in line with the declared grade.

- (viii) The Coal Company needed to be impressed upon for accepting the analysis results of the Third Party Agency; otherwise the whole purpose of appointing a Third Party Agency will be defeated.
- (ix) The time period for submission of testing & analysis report of the coal samples to subsidiaries of coal companies need to be increased to 20 – 25 days which is 14 days as per SOP.
- (x) The Coal Company raises the initial bills to Power Utilities/IPP's on the basis of declared GCV bands. The Coal Company shall issue credit /debit notes arising out of variation between the results of the analysis done by Third Party Agency (appointed by the Power Utilities/IPP's) and the declared GCV bands. Thus the final payment shall be based on the analysis results of Third Party Agency appointed by the Power Utilities/IPP's.

3. Power Utilities informed that they were facing many difficulties in implementation of independent third party sampling by agencies appointed by them. All the power utilities recommended that independence of third party agency needs to be ensured in SOP. Therefore, they opined that SOP formulated by CIL needed to be amended. Third party agency appointed by Power Utilities should collect & prepare coal samples and representative of coal companies should witness the sampling and sign the report of sample collection & preparation and if not signed/witnessed such failure/ refusal should not be considered as a ground for disputing the result submitted by third party. The sample should be divided in three parts (i) One for analysis by the Third Party Agency appointed by the Power Utilities/IPP's itself, (ii) one as referee sample and (iii) one for Coal Company. They suggested that a committee under the Central Electricity Authority (CEA) may be constituted along with representative of power utilities to look into the issue so that views of power utilities could be communicated for necessary modifications / changes in the SOP.

After deliberations, it was decided to constitute a Committee under the Chairmanship of Chief Engineer (OM), CEA with the representative from NTPC, HPPGCL, MPPGCL, KPCL, DVC and Association of Power Producers (APP). The Committee shall submit its report within one month.

4. Power Utilities agreed to include (i) Mahabal Enviro Engineers Pvt Ltd (ii) N.D. International (iii) Minerals Lab Services Pvt. Ltd. (iv) Allied (India) and (v) AKA logistics Pvt. Ltd. in the existing panel of third party samplers. Chief Engineer (OM) also requested power utilities to suggest name of other samplers so that same could be forwarded to CIL for notification. In regard to enlargement of referee panel, other than CIMFR, Power Utilities suggested that CPRI (Central Power Research Institute) may also be considered as a referee sampler.

The list of third party samplers recommended by the power Utilities is enclosed at Annexure-A.

The meeting ended with a vote of thanks to the Chair.

Annexure-A**Additional Third Party samplers for empanelment**

Sr No.	Name of the Agency	Address
1.	N D International	107, B, Block-F, New Alipore, Kolkatta – 700 053
2.	Mahabal Enviro Engineers Pvt Ltd	Plot NO. F-7, Road No. 21, MIDC Wagle Estate, Thane West – 400604.
3.	Minerals Lab Services Pvt Ltd	110, Lake Town, Block –A 1 st Floor, Kolkatta – 700089, India.
4.	Allied (India)	Regd Office: C/o Saibal Mukerjee Ward No. 21 Near Ray Takkies, Bank More Dhanbad – 826001 (Jharkhand)
5.	AKA Logistics Pvt. Ltd.	Success Centre, 8 Beck Bagan Row, 3 rd Floor, Kolkatta-700017

**List of Participants for Meeting on Third Party Sampling on
14.05.2015 in CEA**

S. No.	Name (Mr./ Mrs.)	Organisation	Designation
1	Major Singh	CEA	Member (Planning)
2	A. K. Mishra	CEA	Chief Engineer
3	M. P. Singh	CEA	Director
4	S. K. Jain	CEA	Dy. Director
5	Ashish Kumar Lohiya	CEA	Asstt. Director
6	Anurag Tiwari	CEA	Asstt. Director
7	Aman Khare	CEA	Asstt. Director
8	G. K. Vashishtha	CIL	GM (S&M)
9	N.K. Biswas	CIL	GM (DC)
10	N. K. Sinha	CIL	GM (DC)
11	B. R. Singh	NTPC Ltd.	AGM (FM)
12	Balaji B. Narare	NTPC Ltd.	AGM (FM)
13	S.D. Prasad	NTPC Ltd.	GM (FM-CC)
14	R. K. Chaudhary	NTPC Ltd.	AGM (FM)
15	P. Muthiah	TANGEDCO	Resident Manager
16	B.P. Pakrashi	GSECL	Dy. Engineer
17	S. S. Dalal	HPGCL	CE
18	R. K. Kuchhal	HPGCL	CE (Fuel)
19	M.K.V. Rama Rao	HPGCL	Managing Director
20	Surinder Singh Mittal	HPGCL	OSD (T) to MD
21	Mukesh Chandra	UPRVUNL	Resident Officer
22	A. K. Sidhwani	MPPGCL	Supdt. Engineer (R.E.)
23	Rajesh Tiwari	MPPGCL	Sr. Chemist
24	Sanjay Kumar	DVC	SE (M)
25	G. Chaudhary	DVC	DCE (M)
26	K. K. Singh	DVC	Executive Director (Fuel)
27	P. S. Saxena	RVUN	SE (Fuel)
28	Anil Kr. Bhartiyam	JVUNL, Ranchi, Jharkhand	Supt. Engineer
29	R.K.Verma	PSPCL (GNDTP- Bathinda)	Dy. Chief Engineer
30	T. Sannappa	KPCL	Resident Engineer
31	S. N. Sharma	KPCL	AEE/Resident Engineer
32	Dr. Rajesh Tiwari	CSPGCL, Raipur (CG)	Chief Chemist
33	Ram Sharan	OPGCL	Liaison Consultant
34	Sameer Ganju	Adani Power Ltd.	Head - Northern Region
35	Tanmay Vyas	Adani Power Ltd.	Ass. Manager
36	Jitesh Pal	Bajaj Energy	Sr. Manager (Fuel)
37	Balbir Singh	Bajaj Energy	Adviser Power
38	Ravinder Tariyal	Bajaj Energy	Manager
39	Sanjay Garg	Bajaj Energy	Manager

40	Mukesh Singhal	Rattan India Power	Sr. VP
41	Ajay Vishvkarma	Rattan India Power	MGR
42	S. Jain	Adhunik Power of Natural Resource Ltd.	GM
43	V. Ravi Kumar	Jindal Power Ltd.	AVP-Comp. Affairs
44	Rakesh Singh	Tata Power	Head, Coord.
45	Farrukh Aamir	Tata power	Sp. Corp. Regulations
46	Ajay Jain	Jaypee Bina Station	Addl. GM
47	Mukesh Kapoor	M B Power Ltd.	GM
48	Abhishek Gupta	M B Power Ltd.	AGM
49	Anil Sharma	Lanco Group	Sr. GM
50	S. K. Bhardwaj	Lanco Group	Sr. DGM
51	R. R. Nair	GMR, Kamalanga	Director & COO
52	Sangu	GMR Group	Manager
53	Tarun Bajaj	CLP, Jhjar	GM
54	S.C. Dangarh	MPPGCL	Sr. Chemist
55	Ashok Kumar	CCL	GM (QC)

**List of Participants for 1st meeting of the committee on
22/5/2015 to suggest necessary modification in the
SOP of CIL to third party sampling**

S. No.	Name	Designation	Organization
1.	Sh. R. Narayanappa	AGM(Chem)	KPCL
2.	Sh. S.N. Sharma	AEE/RE	KPCL
3.	Sh. Z.A. Ansari	Chief Chemist	MPPGCL
4.	Sh. R.K. Tiwari	Sr. Chemist	MPPGCL
5.	Sh. S.D. Prasad	GM(Fin)	NTPC
6.	Sh. B.R. Singh	AGM (FM)	NTPC
7.	Sh. A.K. Mishra	C.E. (OM)	CEA
8.	Sh. M.P. Singh	Director (OM)	CEA
9.	Sh. S.K. Jain	Dy. Director (OM)	CEA

**List of Participants for 2nd meeting of the committee on
02/06/2015 to suggest necessary modification in the
SOP of CIL to third party sampling**

S. No.	Name	Designation	Organization
1.	Sh. A.K. Mishra	C.E. (OM)	CEA
2.	Sh. M.P. Singh	Director (OM)	CEA
3.	Sh. S.K. Jain	Dy. Director (OM)	CEA
4.	Sh. Alok Saxena	Consultant (PPPS)	CEA
5.	Smt. Suman Bala	AD-I	CEA
6.	Sh. Ashish Lohiya	AD-I	CEA
7.	Sh. Anurag Tiwari	AD-I	CEA
8.	Dr. A.K. Sahay	AGM (OS)	NTPC
9.	Sh. B.R. Singh	AGM (FM)	NTPC
10.	Sh. K.K. Singh	ED (FM)	DVC
11.	Sh. Sanjay Kumar	SE (Fuel)	DVC
12.	Sh. G. Chaudhary	D (ECM)	DVC
13.	Sh. Z.A. Ansari	Chief Chemist	MPPGCL
14.	Sh. Rajesh Tiwari	Sr. Chemist	MPPGCL
15.	Sh. R. Narayanappa	AGM (Chemical)	KPCL
16.	Sh. S.N. Sharma	AEE/RE	KPCL
17.	Sh. Rajesh Kumar	CE (Fuel)	HPGCL
18.	Sh. S.S. Dalal	CE (PTPS-2)	HPGCL
19.	Sh. Prem Kumar	XEN (Fuel)	HPGCL
20.	Abhishek Chatterjee		APP

**List of Participants for 3rd meeting of the committee on
10/6/2015 to suggest necessary modification in the
SOP of CIL to third party sampling**

S. No.	Name	Designation	Organization
1.	Sh. A.K. Mishra	Chief Enginee(OM)	CEA
2.	Sh. M.P. Singh	Director (OM)	CEA
3.	Sh. S.K. Jain	Dy. Director (OM)	CEA
4.	Sh. Ashish Lohiya	AD-I	CEA
5.	Sh. Anurag Tiwari	AD-I	CEA
6.	Sh. S.K.	SE(Fuel)	HPGCL
7.	Sh. S.S. Dalal	CE (PTPS-2)	HPGCL
8.	Sh. Z.A. Ansari	Chief Chemist	MPPGCL
9.	Sh. Rajesh Tiwari	Sr. Chemist	MPPGCL
10.	Sh. B.R. Singh	AGM (FM)	NTPC
11.	Sh. Balaji B Nahare	AGM(FM)	NTPC
12.	Sh. S.N. Sharma	AEE/RE	KPCL
13.	Abhishek Chatterjee	Asstt. D.G.	APP
14.	Sh. Sanjay Kumar	SE (Fuel)	DVC
15.	Neeti	D.M.(Chem)	NTPC
16.	Sh. T.C. Verma	AGM(Fin)	NTPC
17.	Sh.A.K. Singh	Sr. Mgr.(FM)	NTPC
18.	Sh. P.K.Singh	DGM(Chem)	NTPC
19.	Sh. A.K. Sahay	AGM	NTPC