



उच्च प्रौद्योगिकी केन्द्र

(पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार)

Centre for High Technology

(Ministry of Petroleum & Natural Gas, Govt. of India)

CHT/EC/1210

16th July 2015

To,

कार्यकारी समिति के सभी सदस्यगण (संलग्न सूची अनुसार)

All Members of the Executive Committee of CHT (As per list enclosed)

महोदय,

Dear Sir,

विषय : उच्च प्रौद्योगिकी केन्द्र की 18वीं कार्यकारी समिति का कार्यवृत्त

Sub.: Minutes of 18th Meeting of the Executive Committee (EC) of CHT.

नाँक 6 जुलाई, 2015 को पेट्रोलियम और प्राकृतिक गैस मंत्रालय, शास्त्री भवन, नई दिल्ली में संयुक्त सचिव (रिफाइनरीज) की अध्यक्षता में हुई उच्च प्रौद्योगिकी केन्द्र की 18वीं कार्यकारी समिति की बैठक का अनुमोदित कार्यवृत्त आपकी सूचनार्थ एवं आवश्यक कार्रवाई हेतु संलग्न है।

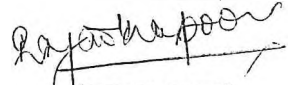
Please find enclosed the duly approved Minutes of 18th Meeting of the Executive Committee (EC) of CHT held on 6th July, 2015 at MoP&NG, Shastri Bhavan, New Delhi under the Chairmanship of Joint Secretary (R), MoP&NG, for kind information and necessary action.

सादर,

With kind regards,

भवदीय,

Yours sincerely,


(राजन कपूर)

कार्यकारी निदेशक (स्थानापन्न)

पदेन सचिव, कार्यकारी समिति - उ.प्रौ.के.

(Rajan Kapoor)

Executive Director (Actg.)

Member-Secretary, Executive Committee - CHT

संलग्न : यथोक्त

Encl: As Above

सूचनार्थ प्रतिलिपि :

Copy for information to:

संयुक्त सचिव (रिफाइनरीज), पेट्रोलियम और प्राकृतिक गैस मंत्रालय के निजी सचिव

PS to Joint Secretary (Refineries), MoP&NG

श्री पवन कुमार, अवर सचिव (रिफाइनरीज),

Shri Pawan Kumar, Under Secretary (R), MoP&NG

ओ.आई.डी.बी. भवन, टॉवर ए, 9वाँ तल, प्लॉट नंबर 2, सेक्टर 73, नोएडा-201307 (उ. प्र.)

OIDB Bhawan, Tower "A", 9th Floor, Plot No. 2, Sector-73, Noida - 201307 (U. P.)

Tel. : 91-120-2593780/2593782, Fax: 91-120-2593780/2593782, Email: info@cht.in Website: www.cht.in

Liaison Office: C/o. OIDB, 301, World Trade Centre, 3rd Floor, Babar Road, New Delhi-110 001 Tel. : 91-11-23414692

Minutes of the 18th Meeting of the Executive Committee (EC) of Centre for High Technology (CHT) held on 6th July 2015 in the Conference Room, MoP&NG, Shastri Bhawan, New Delhi

1. The 18th Meeting of the Executive Committee (EC) of the Centre for High Technology (CHT) was held on 6th July 2015 at 15:30 hrs in the Conference Room, MoP&NG, Shastri Bhawan, New Delhi under the Chairmanship of Shri. Sandeep Poundrik, Joint Secretary (Refineries), MoP&NG. The list of participants is annexed.

Shri Rajan Kapoor, Executive Director (Actg.), CHT and Member Secretary of the EC welcomed the Chairman and members of the EC and other participants to the meeting.

2. Presentation on the Agenda points was made by ED (Actg.), CHT for initiating discussions. The following points emerged out of the discussions:
 - 2.1 **Approval of Executive Committee of CHT for Performance benchmarking of 15 PSU refineries through M/s Solomon Associates (SA)**

ED (Actg.) CHT informed that based on the in-principle approval accorded by 32nd GC, an offer was obtained from Solomon Associates (SA) for performance benchmarking study for 2014 and 2016 cycle. The SA offer of US\$890,000 (net of taxes) was on the similar terms & conditions as the previous studies carried out for 2010 and 2012 and included 15 PSU fuel refineries and 4 lube refineries. This proposal was put up before the EC during its 17th Meeting on 23rd February 2015 wherein EC advised CHT to initiate the enquiry afresh through EOI/tendering route for undertaking the Performance Benchmarking study with 50:50 contribution from Oil companies and OADB in line with earlier study cycles of 2010 & 2012 and revert to EC for final approval.

Accordingly, Global Tender was floated for Performance Benchmarking of 15 Indian Refineries in Public Sector with options of including 4 Lube units and an additional Indian PSU JV Fuel Refinery for the calendar years 2014 and 2016 with further option of including the next cycle of 2018 at similar mutually acceptable terms.



Bids were received from 2 parties, viz., M/s KBC Advanced Technology and M/s Solomon Associates (SA). M/s Shell Global Solutions and M/s Exxon Mobil regretted their inability to submit any offer as they do not undertake performance benchmarking.

On reviewing the technical bids from KBC and SA, it was found that only SA met all the qualification criteria of the Tender. The offer of KBC did not meet the criteria in respect of the following :

- Comparison of refineries against peers over the same 12 month period, will not be provided by KBC.
- Benchmarking study experience for a minimum of 10 Indian sites not available.
- KBC provided certificate of satisfactory completion for other than benchmarking services; and not from all three regions required in the tender.
- Ranking of Indian refineries against worldwide refineries will not be provided by KBC.
- Bid did not cover all KPIs specified in the tender.
- Proposed additional terms and conditions other than covered under the tender.

The EC had detailed deliberations on the need for Performance Benchmarking against global/regional peers, specific performance gap closure initiatives and the frequency at which the Benchmarking studies need to be carried out. It was also concluded that SA would be the only appropriate agency to carry out Performance Benchmarking. The gap closure studies like those proposed by KBC or any other parties should be dealt separately in which EIL may be associated.

Executive Committee accorded approval to place the order on M/s Solomon Associates for carrying out performance benchmarking of 15 PSU fuels refineries, 4 lubes units and 1 JV refinery for the study cycle of 2014 at an approximate cost of Rs 8.0 crore (including applicable taxes) with the option of including further study cycles at the appropriate time. The cost will be borne equally by CHT and each of the PSU refineries. The cost for the JV refinery will be entirely borne by that refinery.

Action : CHT

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2.2. Performance Gap Reduction & Margin Improvement Programme

ED (Actg.), CHT informed that during the 17th Meeting of the EC, CHT was advised to float a fresh enquiry for TSA for better appreciation and value addition and revert for approval. The EC deliberated on the issue and on feedback from the members, it was decided not to extend the existing TSA and instead float a fresh enquiry for performance gap and margin improvement programme. ED (Actg.), CHT informed that Ms KBC and M/s Axens presented their capabilities and range of services offered for performance improvement, covering i) Operational Excellence & Margin Improvement, ii) Energy Improvement Studies, iii) New Asset Studies, iv) Performance Programmes, v) Crude Management Study, and vi) Linear Programme Management. ED (Actg.), CHT proposed that a small group comprising suitable personnel from oil companies and EIL may be formed to finalise the scope of work and the tender document for inviting proposals from global consultants.

EC agreed to this proposal and advised ED (Actg.), CHT to obtain nominations from oil companies and EIL for this purpose.

Action : CHT/Oil Companies/EIL

2.3 Manpower requirement at CHT

ED (Actg.), CHT informed the EC of the present strength of CHT. After previous deliberations, he informed that IOC had given only one person against pending manpower requirement (of 3 chemical engineers) agreed during the last GC meeting, GAIL had released 1 person, and HPC had provided 1 person with IT background. This does not meet the shortfall discussed in the GC Meeting. EIL were yet to provide replacement for one employee already withdrawn, besides one additional officer as agreed.

Chairman advised the oil companies to look into the matter and provide suitable manpower to meet the shortfall.

Action : Oil Companies/EIL



2.4 Status of ongoing HCF Projects

ED (Actg.), CHT informed that there are three ongoing projects being funded under Hydrogen Corpus Fund (HCF). Shri A.S. Pathak, Director, CHT made a detailed presentation on these projects. One project of IOCL with IIT-BHU has been approved for fore-closure in the 76th (last) SAC meeting and another of IOCL is likely to be completed by September 2015. The HCF project of ONGC Energy Centre (OEC) which was scheduled for completion in June 2015 is likely to be completed by September 2015 and OEC has sought extension upto September 2015.

EC took note of the above.

Action : CHT

2.5 Commercialisation of Indigenous Technologies

ED (Actg.), CHT informed that MoP&NG had constituted a Committee in October, 2010, under the Chairmanship of Director (R), IOCL for facilitating Commercialisation of Indigenous Technologies, Development of Engineering Support for Marketing and Acceptance by the Industry. The Committee comprised Director (R) from HPCL, BPCL, ex-Director (T), EIL, Director, IIP with ED, CHT as Convenor and R&D heads of IOCL, EIL, HPCL and BPCL as co-opted members. The EC Members were of the view that there is a need to look into the various issues/aspects pertaining to commercialisation of indigenous technologies and there is continuing relevance for such a Committee.

Accordingly EC accorded approval for constituting a Committee for Commercialisation of Indigenous Technologies consisting of the following :

- Chairman : Director (R), IOCL
- Members :
- 1) Director (R), HPCL
 - 2) Director (R), BPCL
 - 3) Director (T), EIL
 - 4) Director, IIP
 - 5) ED, CHT – Convenor

Co-opted Members : Heads of R&D: IOCL, EIL, HPCL and BPCL

3. ED, CHT thanked the Chairman and members of the Executive Committee for their participation.

Annexure

List of Participants

Ministry of Petroleum & Natural Gas

1. Shri Sandeep Poundrik, Joint Secretary (Ref) - In Chair

OIDB

2. Shri Ajay Mishra, Dy. FA&CAO

IOCL

3. Shri Sanjiv Singh, Director (R)
4. Shri S. Bose, ED (Ops.)

HPCL

5. Shri B. K. Namdeo, Director (R)

BPCL

6. Shri S.S. Sunderajan, ED, BPCL-Mumbai

GAIL

7. Shri. R K Kashyap, ED

MRPL

8. Shri M Venkatesh, Director (R)

NRL

9. Shri D K Adhikary, SM (C&F)

CPCL

10. Shri S. Venkataramana, Director (Ops.)

IIP

11. Dr. M.O. Garg, Director, IIP and DG-CSIR

EIL

12. Shri Ajay N. Deshpande, Director (Technical)

CHT

13. Shri Rajan Kapoor, ED (Actg.)
14. Shri R. Krishnamurthy, Director



15. Shri A S Pathak, Director
16. Shri I.H. Shivaraya, Director
17. Shri S Halder, Additional Director

RH



उच्च प्रौद्योगिकी केन्द्र

(पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार)

Centre for High Technology

(Ministry of Petroleum & Natural Gas, Govt. of India)

CHT/EC/997

20th March 2015

सेवा में / To,

कार्यकारी समिति के सभी सदस्यगण (संलग्न सूची अनुसार)

All Members of the Executive Committee of CHT (As per list enclosed)

महोदय / Dear Sir,

विषय : उच्च प्रौद्योगिकी केन्द्र की 17^{वीं} कार्यकारी समिति का कार्यवृत्त

Sub.: Minutes of 17th Meeting of the Executive Committee (EC) of CHT.

दिनांक 23 फरवरी, 2015 को पेट्रोलियम और प्राकृतिक गैस मंत्रालय, शास्त्री भवन, नई दिल्ली में संयुक्त सचिव रिफाइनरीज की अध्यक्षता में हुई उच्च प्रौद्योगिकी केन्द्र की 17^{वीं} कार्यकारी समिति का अनुमोदित कार्यवृत्त आपकी सूचनार्थ एवं आवश्यक कार्रवाई हेतु संलग्न है।

Please find enclosed the duly approved Minutes of 17th Meeting of the Executive Committee (EC) of CHT held on 23rd February 2015 at MoP&NG, Shastri Bhavan, New Delhi under the Chairmanship of Joint Secretary (R), MoP&NG, for kind information and necessary action.

सादर,

With kind regards,

भवदीय,


Yours sincerely,

बी. डी. घोष

(बी.डी.घोष)

कार्यकारी निदेशक

पदेन सचिव, कार्यकारी समिति - उ.प्रौ.के.

 (B.D. Ghosh)

Executive Director

Member-Secretary, Executive Committee - CHT

संलग्न : यथोक्त

Encl: As Above

सूचनार्थ प्रतिलिपि :

Copy for information to:

संयुक्त सचिव (रिफाइनरीज), पेट्रोलियम और प्राकृतिक गैस मंत्रालय के निजी सचिव

PS to Joint Secretary (Refineries), MoP&NG

श्री पवन कुमार, अवर सचिव (रिफाइनरीज),

Shri Pawan Kumar, Under Secretary (R), MoP&NG

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Liaison Office: C/o. OIIB/ 301, World Trade Centre, 3rd Floor, Babar Road, New Delhi-110 001 Tel. : 91-11-23414692

Members of the Executive Committee of CHT

1. Shri Sandeep Poundrik,
Joint Secretary (Refineries),
Ministry of Petroleum & Natural Gas,
Shastri Bhavan,
New Delhi – 110 001
2. Ms Perin Devi,
Director (R&A and CA),
Ministry Of Petroleum & Natural Gas,
Shastri Bhawan,
New Delhi – 110 001
3. Shri L. N. Gupta,
Secretary,
Oil Industry Development Board,
OIDB Bhawan,
Plot No. 2, Sector-73,
NOIDA – 201 301
4. Shri Sanjiv Singh,
Director (Refineries),
Indian Oil Corporation Ltd.,
SCOPE Complex,
5th Floor, Core-2,
Lodhi Road,
New Delhi – 110 003
5. Shri B. K. Datta,
Director (Refineries),
Bharat Petroleum Corporation Ltd.,
Bharat Bhawan,
4&5 Currimbhoy Road,
Ballard Estate,
P.B. No. 688,
Mumbai – 400 001
6. Shri B. K. Namdeo,
Director (Refineries),
Hindustan Petroleum Corporation Ltd.,
17, Jamshedji Tata Road,
P.O. Box No. 11041,
Mumbai – 400 020

7. Shri M. Ravindran,
Director (BD),
GAIL India Limited,
16, Bhikaiji Cama Place,
R.K. Puram
New Delhi – 110 066
8. Dr. M. O. Garg,
Director,
Indian Institute of Petroleum,
P.O. Mohkampur,
Dehradun – 248 005
9. Shri Ajay N. Deshpande,
Director (Technical),
El Bhawan,
Engineers India Limited,
1, Bhikaiji Cama Place,
New Delhi – 110 066
10. Shri Gautam Roy,
Managing Director,
Chennai Petroleum Corporation Ltd.
536, Anna Salai,
Teynampet,
Chennai – 600 018
11. Shri H. Kumar,
Managing Director,
Mangalore Refinery & Petrochemicals Ltd.,
Regd. Office: Kuthethoor,
P.O. Via Katipalla,
Mangalore – 575 030
12. Shri P. Padmanabhan,
Managing Director,
Numaligarh Refinery Limited,
6th Floor, Tolstoy House,
15 – 17, Tolstoy Marg,
New Delhi – 110 001
13. Shri B. D. Ghosh,
Executive Director / Member – Secretary, Governing Council,
Centre for High Technology,
9th Floor, Tower-A, OIDB Bhawan,
Plot no. 2, Sector-73,
NOIDA – 201 301

Minutes of the 17th Meeting of the Executive Committee (EC) of Centre for High Technology (CHT) held on 23rd February 2015 in the Conference Room, MoP&NG, Shastri Bhawan, New Delhi

1. 17th Meeting of the Executive Committee (EC) of the Centre for High Technology (CHT) was held on 23rd February 2015 at 03.00 PM in the Conference Room, MoP&NG, Shastri Bhawan, New Delhi under the Chairmanship of Shri. Sandeep Poundrik, Joint Secretary (Refineries), MoP&NG. The list of participants is annexed. There was no representative from IIP.

Shri B D Ghosh, Executive Director, CHT and Member Secretary of the EC welcomed the members of the EC and other participants to the meeting.

2. Presentation on the Agenda points was made by Director, CHT for initiating discussions. The following points emerged out of the discussions:

2.1 Approval of offer received from M/s Solomon Associates for participation in Benchmarking for 2014 and 2016 cycle as advised by the Governing Council (GC) of CHT

ED-CHT informed that based on the in-principle approval accorded by 32nd Governing Council (GC), an offer was obtained from Solomon Associates (SA) for performance benchmarking study for 2014 and 2016 cycle. The SA offer negotiated @US\$890,000 (net of taxes) on similar terms & conditions for the new study for participating in Performance Benchmarking study included 15 PSU fuel refineries and 4 lube refineries.

He further informed that 16th EC meeting of CHT had approved the offer of benchmarking but as the total amount was exceeding the delegated powers of EC of Rs.5.0 crore, it had asked to take approval of GC. GC in its 33rd meeting held on 26.11.2014 has since enhanced the delegation of powers Executive Committee of CHT from Rs.5.0 crore to Rs.15.0 crore. It was also stated that concurrence of the EC members, by circulation, had been sought earlier based on the enhanced powers to expedite placement of order on SA and participation in the proposed study cycles 2014 and 2016. Approval had been received from all EC members, except OidB who desired that the proposal be discussed in a regular meeting.

During the discussions, members while advocating for the proposed study agreed that the study has been helpful in identifying the gaps and areas of improvement and should be continued for 2014 and 2016. However, it was observed that the earlier agreement

did not contain any clause related to repeat order which could have been explored for placing the order on SA for new study cycles.

In view of the above, Executive Committee advised CHT to initiate the selection of Consultant afresh through tendering route for undertaking the Performance Benchmarking study with 50:50 contribution from Oil companies and OIDB in line with earlier study cycles of 2010 & 2012 and revert to EC for final approval.

2.2 Utilization of services and extension of Technical Services Agreement (TSA) entered with M/s Shell GSI, Netherlands (SGSI)

ED-CHT informed that the current TSA contract with SGSI is for two years with a provision to extend it by one more year with mutual agreement. He indicated that the 2000 Fixed Fee man-hours available for 2 year period are likely to exceed in view of 'more than allocated' utilization by the participating members. So far, 1594 man-hours were utilized and 796 man-hours are committed for various services which includes hydrocarbon loss study at 4 refineries.

It was informed that for 2014-15, payments for three quarters have been received from all members and only 4th quarter payment remains to be released. Also, CHT so far had received 300 man-hour support from OIDB though 600 man-hours provision existed under the contract.

IOCL, HPCL and EIL are of the view that the TSA is useful and provides a window for getting expert support/services/advice for which services may be extended by one more year on same terms whereas others like GAIL felt that SGSI could not address the specific issues faced by them. MRPL informed that presently IRBIP programme is continued by SGSI at their refinery.

Executive Committee agreed that since some members feel that TSA is useful and can be extended, a view can be taken if interested members agree to share 1000 hours between them. EC also suggested that CHT may float a fresh enquiry for performance gap and margin improvement programme, for better appreciation and value addition and revert for approval. EC also advised OIDB to provide funds to CHT for TSA.

2.3 Projects under SAC / HCF

Director, CHT presented the status of R&D projects taken up under SAC/HCF with OIDB funding. It was informed that MOUs for three new projects have been signed, three more would be signed shortly and MOU for Synthetic Aviation Lubricant- Phase 2

would be modified in view of IOC-R&D declining to collaborate in the project. It was informed that as advised by OIDB, CHT has issued sanction letter for the new projects and signing of MOUs.

It was also informed that only three projects are currently in progress under HCF. IOC-R&D has sought extension up to September 2015 for its demonstration project on use of HCNG in Automotive vehicles and its other project with IIT-BHU on 'Hydrogen production by dissociation of water utilizing Solar energy' will get delayed by at least 12 months based on recent review. CHT informed that the revised re-appropriation of funds presented by ONGC Energy Centre for its project Hydrogen on 'Hydrogen generation by Thermo-chemical process' has been approved by SAC in its 75th meeting held on 13.01.2015 and the project is expected to be completed by June 2015 as scheduled. CHT also highlighted the delays in receiving payments from OIDB for its on-going and completed SAC/HCF projects.

Executive Committee noted the status and progress of R&D projects and also advised OIDB to ensure timely release of payments which remains pending, as these may affect the project completion schedules.

2.4 Manpower requirement at CHT

ED, CHT informed that no placement has been done against the earlier advice given by Secretary, P&NG during the Governing Council meeting, to all oil companies, for providing the manpower support to CHT.

While, IOCL has given only one person against pending manpower (of 3 chemical engineers) agreed during the last GC meeting, GAIL informed that they are releasing a person shortly. IOCL suggested that in the absence of suitable manpower, good retired officers may be considered who will be suitable for CHT. ED, CHT informed that such provision already exists but needs minimum strength who are in service.

Chairman advised IOCL, BPCL, HPCL and EIL for expediting placement of pending manpower to CHT immediately.

3. While deliberating the issue of Innovation Awards, Executive Committee advised CHT to finalize the members of the Awards committee and expedite evaluation of proposals received for Innovation award.
4. ED, CHT thanked members of the Executive Committee for their participation.

List of Participants

Ministry of Petroleum & Natural Gas

1. Shri Sandeep Poundrik, Joint Secretary (Ref) - In Chair

OIDB

2. Shri Ajay Srivastava, FA&CAO

IOCL

3. Shri Sanjiv Singh, Director (R)
4. Shri S. Bose, GM

HPCL

5. Shri B. K. Namdeo, Director (R)

BPCL

6. Shri B. K. Datta, Director (R)

GAIL

7. Shri. R K Kashyap, ED

MRPL

8. Shri M Venkatesh, GGM (I/C Ref)

NRL

9. Shri P. Padmanabhan, MD
10. Shri N. Borthakur, DGM©

CPCL

11. Shri Gautam Roy, MD

EIL

12. Shri Ajay N. Deshpande, Director (Technical)

CHT

13. Shri B D Ghosh
14. Shri Rajan Kapoor, Director
15. Shri A S Pathak, Director
16. Shri S Halder, Additional Director