ONGC/CSHE/Misc/2000-01 dated 05.01.2001 from Head Environment Management



#### OIL & NATURAL GAS CORPORATION LTD.

Corporate Safety Health & Environment Management Bengal Chemical Bhavan-II 502, Veer Savarkar Marg, Prabhadevi,

Mumbai - 400025

Phone: 24386619 Fax: 24366501

NOTE

ONGC/CSHE/Misc /2000-01

Date: 05.01.2001

From: A.B.Chakraborty, Head, Environment management

To: Asset Managers/Basin Managers/Chief of services/ Head work centres

Subject: Future HSE Plan

This information on the subject Plan is given below for your kind perusal & necessary action.

Organization is looking ahead and designing future strategies to identify any damage to Mothe Nature and accidental sufferings and losses. In addition to the present activities, the additiona activities to be undertaken during 2001-02 & later, are the following.

- Development and implementation of SMS based on International safety Rating System (ISRS) in 20 Nos. of facilities.
- Compliance audit of all the installations of ONGC through external agencies of international repute.
- Review of the existing safety health and environment policies and formulation of integrated SHE policy
- Third party audit of all the effluent treatment plants as per the decision of the executive committee of the organization.
- National roadmap to combat oil spill in marine environment in coordination with pertinent national oil majors and Government agencies.
- Updating of National oil spill disaster contingency plan.
- Development of EMS ISO 14001 in Work over rigs and vessels other than fixed installation/facilities.
- > Developing EMS ISO14001 in all the facilities of the organization within two years.
- Formulation of guidelines on various environmental issues like restoration of drill sites etc. for oil industries under the aegis of Oil Industry Safety Directorate.
- Reporting of Environmental performance of the organization (environmental reporting) duly audited by third party.
- Development of CDM Projects as per the Kyoto protocol.
- Vision 2o25- Developing EMS ISO 14001 in all the facilities of the organization and developing and grooming a host of environmental auditors
- Development and implementation of EMS in 20 Nos. of facilities as per the MOU with MOPNG during the year 2003-04
- Setting up of Occupational health Centers

A B Chakraborty

Head, Environment management

Meeting notice dated 19/01/2001



# OIL AND NATURAL GAS CORPORATION LIMITED MUMBA! REGION URAN PLANT, URAN

Planning & Morrecting Group Oromogic's Bioryan, Uran Plant.

URAN/PMG/24(85)/2800-01

Date: 49.80.2001

#### Meeting Notice

řrom:	RAVINDER KHER, CE (P)-PMG		_	<del></del>	- ··· <del>-</del> -
To:	As per distribution list			<del>-</del>	<del></del>
		<b></b>			

Ref: Note No. ONGCALSEE/Miss/2006-01 deted \$5.01.2901 from Head Environment Management

With reference to internal more duted 05.01.2001 from Read Environment Mg1, corporate ESE, ONGC, Mumbal, a number of areas have been identified to be looked into. One of the areas pertains to CDM (Clean Development Mechanism) as par Kyote perfocal. The Clean Development Mechanism projects encourage reduction of environment which is affecting normal environment. Necessary actions are required to be taken on priority to reduce stop emission to the navigoroment through suitable measures / Project. The "Clean Development Mechanism" is one such machanism that facilities viability of the project execution.

is view of above a meeting will be held at 15.36 hrs on (22.61 300) at Dronagiri conference hall are requested to attend the meeting on priority.

Distribution

FIGER GRO

2. CE(2), OPC

3. CE(P), Utilities

4. CE(M), Mechanical Mainterance

J. CE(E), Electrical Maintenauxe

6. CE(I), Instrument Maintenance

CE(P) incharge PMC

Minutes of the meeting dated 22/01/2001



#### OIL AND NATURAL GAS CORPORATION LIMITED MUMBA! REGION uran Plant, Uran

Planning & Monitoring Group Dromagiri Bhavan, Oran Plant.

URAN/PMG/24(85)/2009-01

Date, 25.01,2601

#### Minutes of the meeting dated 22,01,2001

From	RAVINDER KHER, CE (P)-PMC
To:	As per participant for

#### Subject: "Reduction of emission / suitable Project and the CDM"

#### Participants:

- Shri T Krahparnoorthy, CE(P)
- 2. Shri D G Dumbre, CE(F)
- Shri D K Bhanacharyz, SE(P)
- 4. Shri H S Tripetin, SE(P)
- 5. Shri Shyamlat, DOM(M) Shri O P National, DGM(E)
- Sivi A K Raot, CE(I)

Mr R. Kher. CE(P), appraised the house regarding the internal note received from Head Environment Mgt., corporate HSE, ONGC, Mumbai. He also explained the "Class Development Mechanism" and Kyoto Protocol, in brief.

The following points were discussed.

- Used plant is flaring approximately 60000 to 120000 Nm<sup>3</sup> of my trocurren gas per day. The source of this gas is from seals of various rotating equipments, tiam purge points, pressure safety valves etc. This is technical operational and safety consisences and can not be etopped, as of new
- Creat is already planning flure gas recovery or h (FGRU) to recover valuable hydrocarbon. which is so present being flored which will in turn stop emission to the environment. However there are many difficulties as under to executing simple's project.
  - a. The quantity of the gas is very less and not opposized.
  - b. Pressure of the gas is very low (300-400  $\,\mathrm{mm}\,\mathrm{H_2O})$
  - c. Temperature of the gas not constant.
  - d No suitable technology/Process available

 There is no past emperioned regarding operation and maintenance in ONGC or other bullstries under similar electrostances. This involves a great risk for the project to be underpaken.

In view of this, the FGRU is garring delayed and there is probability that the Project may be dropped.

- However, in view of communication received from Read- Environment menagement, all members agreed to have renewed look & undertake imprementation of flore gas recovery project bod. as a challenge & necessity due to sustainability.
- 4 To overcome all envisaged difficulties it was decided to form a dedicated core team comprising members from operation and malatenance and give the FGRE top priority.
- Members also opined that Usan may also look into other projects such as NOx control from stack emission, CO<sub>2</sub> emission from gas sweetening units exc.

R. Kher 270. CE(P Incharge PA(C

Letter of Intent (LoI) of the contract





## OIL AND NATURAL GAS CORPORATION LTD. MUMBAI REGIONAL BUSINESS CENTRE MATERIALS MANAGEMENT DEPARTMENT

maierials management department Operations business group Ba, vasudhara bhavan, bandra (E), Mumbai - 409 051, India

Ph.: 642 9901/642 9981 Faz: 91-12 - 6515498 Telex: 011 - 71010 ONGC IN

EAX MESSAGE NO. | MRSE/OBS/MM/CAR/FSS6/92/2888/0;-9823/PU-9855 Dated November 20, 2001

H/C NICCO CORPORATION LIMITED, BPT H/S NICCO CORPORATION LIMITED. HUMBAT

MIND ATTN.: MR. B.K. MHATTACHARYA, EXECUTIVE DIRECTOR

ز ب –

FAX NC.: (91) 33- 249 3698 / 220 2262 FAX NO.: 91-22-377 6846

SUB : NOTIFICATION OF AWARD OF CONTRACT NO. MRSC/03G/MM/ CAR/F68P/92/2020/01-9023/PC-9055 FOR "SUPPLY, INSTALLATION, COMMISSIONING AND TESTING OF FLARE GAS RECOVERY PROJECT AT URAN" ON TERMINEY BASIS ABBINST TENDER NO. MRSC/03G/MM/CAR/F68P/92/2000/GT-9023

PLEASE REFER YOUR 810 AGAINST BUSCRET TENDER AND SIRREQUENT EXCHANGE OF CORRESPONDENCE RESIDENTH YOUR LETTER GATED BG.11.2001 (.) CNGC MERERY AWARDS THE SUBJECT CONTRACT FOR SUPPLY, INSTALLATION, COMMISSIONING AND TESTING OF FLARE GAS RECOVERY PROJECT AT URAN ON TURNKEY BASIS AS PER SPECIFICATIONS & SUPPLEO OF WORK AND AS PER TERMS AND COMMITTONS DETAILED IN THE SUBJECT TENDER, AS HODIFIED BY SUBBEBUENT LETTERS / TELEFAXES EXCHANGED SETWEEN OMBO A MYS NICCO CERPORATION LIMITED, HOMBA: (NICCO) WHICH HAVE BEEN FOREED TO BY CHOOL IN HEITING, AT A TOTAL CUMPSUM PRICE OF USS 2.618,864 PLUS (R. 14,13,808/ CLOS COLLAR THO MILLION EISHT HUNDRED EISHTEEN THOUSAND EISHTY HOUR PLUS RUPERS FOURTEEN LAKHS THIRTEEN PRICES FISHTEEN LAKHS THIRTEEN FRUBSAND EISHT MUNDRED ONLY). THIS LUMPSUM PRICE IS INCLUSIVE OF ALL TAXES, CUTGS, FEEG. LEVIES, CESSES, INSURANCE, ETC. APPLICABLE ON MEN, HETERIAL AND SERVICES BUT NOT COMPONENT FAX, EXCISE DUTY, CUSCOMS OUTY, OCTROI, CESSES, CORPORATE/PERSONNEL (AX FOR COMPLETION OF THE PHOSETY ON TURNKEY BASIS (.)

(ME) THE PRICES , CHARGES AS STATED ABOVE SHALL REMAIN FIRM AND YOU'D DURING THE ENTIRE DURATION OF THE CONTACT :.)

NECESSARY DEDUCTION ON ACCOUNT OF TAXES, OUTIFS, FERS AND LEVIES AS AFDROSATO SHALL OF MADE BY GNGC FROM THE (ANGICES OR PAYRENTS TO DE MADO / ADJUSTED AS PER APPLICABLE PROVISION OF LAW (.)

3000 (3)/2

CO: THE TIME PERIOD FOR EXECUTION OF TOTAL SCOPE OF NORK SHALL BE 18 DONTHS FROM THE DATE OF THIS NOTIFICATION OF AWARD OF CON-TRACT I.S. FROM NOVEMBER 22, 2001 (.)

(00) NICCO SHALL PLEINIEN AN UNCCNOTTIONAL AND IRREVOCABLE BANK GUARANTEE FOR DUE PERFORMANCE OF THE CONTRACT AS PER PROFORMA OF TENDER DOCUMENT APPENDIX-18 FOR A SUM EQUIVALENT TO 18 Y (TEN PERCENT) OF THE TOTAL CONTRACT VALUE I.E. FOR (US\$ 281.818 PLUS RS. 1,41,398 (NB DOLLAR TWO SIGHTY ONE THOUSAND EIGHT HUNDRED TEN PLUS REPESS ONE LANH FORTY ONE THOUSAND THREE HUMBRED EIGHTY ONLY) ( .) THIS TRREVGCABLE SAW GUARANTEE SHALL DE VALID UPTO SR. 27. 2004 (.) THE BANK GUARANTEE SHALL BE ISSUED FROM AN INDIAN PUBLIC SECTOR DANK OR FROM SCHEDULED COMMERCIAL BANK IN INDIA AND SHALL SE SUBMITTED WITHIN 15 DAYS FROM THE DATE OF THIS NOTIFICATION OF AWARD (.) NICCO SHALL KEEP ITS PERFORMANCE BANK BUARANTEE VALID TILL ENTIRE OBLIGA . TION OF MISCO UNDER THIS CONTRACT IS OVER (.)

FOR THE PURPOSE OF COMMENCEMENT OF ACTIVITIES UNLER THE CON-TRACT: THIS NETTRICATION OF AMERICAN SHALL CONSTITUTE A BINDING CONTRACT: THIS NETTRICATION OF AMERICAND SHALL CONSTITUTE A BINDING CONTRACT. SETWEEN, MICCO AND CHOC AND CHALL BE SUBJECT. TO ALL TERMS. AND CONDITIONS OF THE TENDER DOCUMENTS AND OTHER DOCUMENTS. MENTS MENTIONED IN PARA "AA" ABOVE (.)

KINDLY ACKNOWLEDGE THE RECEIPT OF THIS NOTIFICATION OF AWARD PER RETURN, THE EFFECTIVE DATE OF CONTRACT REMAINING AS HOVEN-SER 28, 2001 THAT IS THE DATE OF THIS NOTIFICATION OF AWARD  $\mathcal{L} \subseteq \mathcal{L} \subseteq \mathcal{L}$ 

FUTURE CORRESPONDENCE, PLEASE GUSTE CONTRACT NO. Fö⇔ HRSC/086/MM/COR/FERF/92/2000/GT-9023/FC-9055

KINDLY ACKNOWLEDGE RECEIPT IMMEDIATELY (.)

REGARDS (.)

(表: 医环状毛肝动物治治型肝炎 · 在一个时间,我们就是一个时间,我们就是一个一个一个。

CONFIRMATION CUPY BY REBU POST TO :

MUS NICUS SURPORATION : TO. PROJECT DivisioN, NICCO HOUSE, I HARE STATET,

SORY to 1

1, Shri C.Muzib, Sendral Marioter (F&A), 222, Novudnera Bissela. 2. Sh-1 A.K. dispeni, DGM(P), LPS/CSU Plant, Jran.

Progress report dated 05/09/2002



# OIL AND NATURAL GAS CORFORATION LIMITED MUMBAI REGION URAN PLANT, URAN

Planning & Montonng Group Dronagiri Bhavan, Uran Plant

URAN/PMG/24(85)/2000-01

Date: 05.09 Z002

#### Subject: Global Compact Principles

Kindly refer to your telephonic discussion regarding environment related information on the principles 7, 8 and 9 of Global compact.

under principle 6: Undertake initialities to promote greater environment responsibility — Global warming concern and principle 9: Encourage the development and diffusion of environmental friendly technologies — Clean Development Mechanism (CDM). Uran has taken the project of zero gas flaring under "Flare Gas Recovery Unit (FGRU)". The progress of the project is as under.

The job of above project is awarded to M/s NIGCO CORPORATION LIMITED on 20 11 2001. Contractor confirmed that purchase orders of long lead items are placed Preparation of crawings is in progress and almost at that stage.

Since this is a CDM project all efforts are being made to expedite smely completion of the project.

CE(#)

<u> 3M-Hsao HSB, Mumpay</u>

Certificate of Recognition for being the first of its kind project in the sector



#### NATIONAL PETROLEUM MANAGEMENT PROGRAMME

#### AWARDS FOR EXCELLENCE

## Certificate of Recognition

Creativity & Innovation For the Year 2003-2004

### Team Category - (Non R&D)

A Certificate of Recognition for Creativity & Innovation in the Non-R&D Team Category goes to Shri B.R.K. Verma, DGM (C&M) and his team comprising Shri T. Krishnamoorthy, DGM (P), Shri R. Kher, CE (P), Shri L.K. Jindal, CE (E), Shri A.G. Dahake, SE (P), Shri S.K. Biswas, SE (INST), Shri T. Mohan Prasad, SE (P), Shri Prabhat Kumar, SE (P), Shri A. Hosatti, EE (P) and Shri C.M. Virkud, AEE (E) from Oil and Natural Gas Corporation Limited for Zero Hydro carbon Emission at Uran.

Hydro carbon emissions cause tremendous environmental problems at national and international level, in addition to the economic loss of the gas which is flared. The team has successfully implemented innovations to achieve zero hydro carbon emission level besides additional production of value added LPG, naptha and C2C3. The pay back period for the investment is about three to three and a half years. ONGC has found the use of Flare Gas Recovery Unit (zero flaring) and Tank Vapour Recovery Unit to be extremely economical and efficient and are trying to replicate this in other projects as well. This is the first time such an achievement has been made in any of the plants and the overall impact of these innovations would be enormous not only in economic but also in environmental terms.

In commendation of this work Certificate of Recognition is given to Shri B.R.K. Verma and his team from ONGC.

(S.C. TRIPATHI)

Secretary

Ministry of Petroleum & Natural Gas

&
Chairman General Council