

Operations

The Pipelines Division registered an excellent performance with ever-highest operational throughput of 63.98 million tonnes of crude oil and petroleum products. The achievement is 100.82% higher than the Memorandum of Understanding (MOU) / internal targets and increase of 8.11 % higher than the previous year's throughput.

The overall crude oil throughput for the year 2009-10 is 41.40 million tonnes and the petroleum product throughput is 22.58 million tonnes.

Northern Region Pipelines

The MOU targets of different pipelines in Northern Region were achieved during the financial year 2009-10. Panipat-Ambala-Jalandhar Pipeline's MOU target (2300 TMT) was achieved on February 28, 2010. Panipat-Rewari Pipeline (PRPL) achieved MOU target (1350 TMT) and Stretched MOU target (1500 TMT) on February 22 and March 22, 2010 respectively. PRPL achieved the highest ever annual throughput of 1502 TMT in 2009-10 crossing the previous best of 1435 TMT achieved in 2008-09. Panipat-Delhi Pipeline's MOU target (450 TMT) and Stretched MOU target (500 TMT) were achieved on September 27, 2009 and December 15, 2009 respectively. Mathura-Tundla Pipeline's MOU target (266 TMT) was achieved on February 6, 2010. The Chaksu-Panipat section of Salaya-Mathura Pipeline MOU target (4381 TMT) and Stretched MOU target (5262 TMT) were achieved on December 2, 2009 and January 21, 2010 respectively.

First batch of Euro IV MS pumped in Panipat-Rewari Pipeline on February 12, 2010 while the Euro IV HSD was pumped on January 27, 2010.

As a part of customer satisfaction initiatives, nine rakes of MS Euro III (28,000 kl) was received in LBT-05 from different sources / Refineries via PMC piping (July -September 2009) for pumping in Panipat-Delhi Pipeline during Mathura Refinery shutdown to meet requirement in Delhi in September 2009. Eight batches of SRGO were received from Koyali refinery (70,000 MT) at Panipat in 2009-10 as a part of stream sharing between Refineries. Total 21 batches were received at Panipat through KSPL-MPPL since 2007-08.

Trial run of Mundra-Panipat Pipeline (MPPL) was done in different combinations with varying doses of DRA at Beawar to increase MPPL throughput optimally after the Jaipur fire incident.

Pigging in MPPL was completed on January 25, 2010 with new discs as a prerequisite requirement for injection of Rajasthan crude oil.

34 crude oil tankers with one heavy and 33 regular crude oil were received at Mundra with 7.1 million metric tonnes of crude unloading at Mundra in 2009-10. (Cumulative-138 Nos.)

Mathura-Delhi Pipeline achieved a milestone of being the first pipeline to introduce Euro IV MS grade quality fuel to NCR Delhi Region through Bijwasan terminal on January 20, 2010 in our commitment to improve quality on continuous basis.

Pipeline compatible SKO (PCK) was pumped into MJPL on January 29, 2010. With this, new PCK facility at MJPL, Mathura manifold for pumping PCK was successfully commissioned.

ATF with the highest parcel length of 35,000 kl was delivered at Bijwasan during January 2010, which further reduced the degrading cost incurred by the Corporation.

Eastern Region Pipelines

Guwahati-Siliguri Pipeline (GSPL), Hadia-Mourigram-Rajbandh-Baruani Pipeline (HMRBPL) and Haldia-Barauni section of Paradip-Haldia-Barauni Pipeline (PHBPL) achieved the MOU targets and also achieved higher throughput compared to last year.

GSPL achieved the Stretched MOU target of 1.4 million tonnes on January 26, 2010. The pipeline was also achieved an ever highest throughput.

HMRBPL achieved the MOU target of 2.1 million tonnes on February 10, 2010.

Euro IV HSD and MS were successfully handled by HMRBPL from February 2010.

In 2009-10, a total of 43 crude oil tankers have discharged at Paradip Single Point Mooring (SPM) of which 31 were VLCC tankers. The 50th tanker MT Albatross berthed on February 22, 2010. Since inception a total 56 tankers have discharged at Paradip SPM.

Intelligent Pig Survey (IPS) with Rosen pigs was completed for all the sections of Guwahati-Siliguri Pipeline and Haldia-Mourigram-Rajbandh Pipeline.

Western Region Pipelines

MOU and Stretched MOU target of Salaya-Viramgam section of SMPL achieved on March 7, 2010 and March 22, 2010 respectively. MOU and stretched MOU target of Chaksu-Panipat section of SMPL was achieved on December 2, 2009 and January 23, 2010 respectively. MOU and stretched MOU target of Viramgam-Chaksu section of SMPL was achieved on February 20, 2010 and March 12, 2010 respectively.

MOU target (960 TMT) of Koyali-Dahej Pipeline (KDPL) was achieved on March 17, 2010, which is the ever highest throughput since commencement of KDPL and a total 31 export parcels have been handled for achieving this landmark.

Oil spill mock drills were conducted on the high seas at the Single Point Mooring (SPM) system at Vadinar on April 13, 2009 and Dec. 15, 2009. Associated oil spill equipments like skimmers,

floating tanks, OSD spray arms, beach cleaning equipments, etc. were demonstrated during the drill jointly with mutual aid partners.

Nitrogen purging of Churwa- Kandla pipeline section was completed on Sept. 10, 2009.

Acoustic emission testing for tank MT-01 to MT-08 of Mundra-Panipat Pipeline (MPPL) at Mundra was executed from July 27 to August 12, 2009.

A possible pilferage attempt at Pindwara CP under Abu Road jurisdiction was averted by the vigilant shift engineer on Oct. 8, 2009. Unauthorized access was detected in Abu Road control room through CCTV installed at Pindwara RCP.

IndianOil jointly with Forest Department, Jamnagar carried out plantation of mangroves at Nararabet in Vadinar.

The Single Buoy Mooring (SBM -IM 1555) change out was completed at Vadinar on March 27, 2010.

Interconnection of Koyali-Sanganer Pipeline (KSPL) and Salaya-Mathura Pipeline at Ramsar was executed to transfer the unabsorbed interface from KSPL to Panipat through SMPL.

Electric heater of 36 kilo watt capacity being used at Sendra pump station for heating the crude oil used as fuel in Allen engines was replaced by solar water heater system of 24 square meter collector area. The annual energy cost saved is about Rs. five lakh. The Solar water heater system also received the capital subsidy of Rs 33,600 from government for promoting renewal energy.

Koyali-Navgam Pipeline, which has become redundant with connection of Navagam terminal through Bareja-Navgam branch line of Koyali-Sanganer Pipeline, was de-leased to ONGC with effect from December 31, 2009 after carrying out successful hydro-test.

SCADA of Bareja-Navagam section was successfully commissioned on September 3, 2009.

Southern Region Pipelines

CTMPL achieved the MoU target for the year 2009-10 and also achieved the highest throughput since commissioning.

The first ever operations manual for CTMPL was released on September 1, 2009. The manual elaborates the various procedures that are to be adhered for safe, reliable and efficient operation for different combinations of MLPUs, different delivery patterns and different products. Special emphasis has been laid on Quality Control during interface cutting and product acceptance from CPCL by CTMPL.

The first ever maintenance manual was released by Mr. K.K. Jha, Director (Pipelines) at CTMPL Manali pump station on March 11, 2010. The maintenance manual accounts for all the procedures for scheduled maintenance of Electrical, Mechanical, T&I, Mainline and F&S equipments.

CTMPL has achieved ZERO incident and pilferage record consecutively for the fifth year since its commissioning in August 2005. This has been due to continuous monitoring of mainline by LSMs, timely rectification of washouts, removal of encroachments, prohibiting sand thefts with the support of local police force, yearly off-site mock-drills and community development and awareness programmes.

CTMPL underwent an energy audit by Petroleum Conservation and Research Association (PCRA) in January 2010. PCRA had appreciated the upkeep of the station and the efforts taken by CTMPL to conserve energy by using DRA chemical. CTMPL's energy consumption was reduced from 8.4 Kcal / MT-km in 2007-08 to 7.4 Kcal / MT-km in 2009-10.

Quarterly Management Safety Review meeting commenced in CTMPL and a Fire & Safety Manual covering all the critical topics but not limited to general loss control rules, specialised work rules, work permit system, safety in hot work, electrical safety in confined spaces, safety in handling of hazardous chemicals, safety in working at height, safety in excavation, personal protective equipments, good housekeeping and accident /incident reporting and investigation procedure was released.

In order to assess the health of electrical system of the motor, condition monitoring study of all the three HT motors was conducted by Central Power Research Institute, Bangalore. Insulation resistance and Polarization Index determination, measurement of winding resistance, measurement of partial discharge, tan and capacitance measurement, Surge comparison test and DC leakage test were conducted.

Maintenance of Variable Frequency Drives and accessories conducted.

Study on corrosion and efficacy of Corrosion Inhibitors in CTMPL: The PIG samples collected at Asanur, Trichy, Madurai and Sankari were tested and it was found that the bacterial count (Corrosion Causing) is very high. In this regard, Central Electro-Chemical Research Institute, Karaikudi has undertaken corrosion study of CTMPL. The report shall include the performance of present CI (Unicor-J), the required dosage rate and also suitable Biocides available in the market for eradicating the colony of bacteria.

Technical Services

Proposed changes in Clause 15(2) and 15(3) P&MP Act were prepared in consultation with legal advisor and submitted to the Government of India, which introduced as an amendment bill in the Lok Sabha on March 16, 2010.

ISO 9001 : 2008: The ISO system of PLHO Noida was upgraded to comply with the revised standard ISO 9001 : 2008. The re-certification audit was carried out successfully on October 14 and 15, 2009 by M/s DNV and PL HO received accreditation under ISO 9001:2008.

Intelligent Pig Survey (In-line Inspection) using High Resolution MFL Type Tool is in progress for the following pipelines for which work was awarded in August 2009.

Group I – 18 inch diameter Koyali-Viramgam section of Koyali-Sanganer Pipeline (141 km)

Group II – 42 inch diameter offshore pipeline system of Salaya-Mathura Pipeline (25.1 km)

Group III – 12.75 inch diameter Haldia-Barauni Pipeline (525 km) and Haldia Mourigram Rajbandh Pipeline (269 km)

Group IV – 8.625 inch diameter Guwahati Siliguri Pipeline (435 km) and Koyali Ahmedabad Pipeline (115 km)

Technical Up gradation Schemes under Additional Facilities Schemes:

Replacement of 17 old MLPUs / Engines with new Engines, Engine / Motor driven MLPUs in SMPL (Rs. 330 crore)

Online Sulphur Analyser (2 Nos.) for Bijwasan & Mourigram (Rs. 2.82 crore)

DRA Injection Skids, 2 each for SMPL and HBCPL (Rs. 2.58 crore)

Additional Auto Centrifuges of 1400 litre/hr at HBCPL Haldia and Bolpur (Rs. 1.86 crore)

EPABX for WRPL Stations (Rs. 2.47 crore)

Proposal for extension of Communication facilities from M/s OIL to GSPL (Rs. 1.31 crore)

Benchmarking of Pipelines: The Benchmarking study of IndianOil pipelines is being carried out by Solomon Associates, USA for three Pipeline Units, viz., SMPL, HBCPL, CTMPL to enable gap analysis for these pipelines and to help in comparing the performance of individual pipelines with other worldwide pipelines.

DRA Introduction: Slurry type drag reducing agents have been introduced in crude oil and product pipelines for enhancement of throughput. During the year slurry type DRA has been used in SMPL, HBCPL and CTMPL, and has given increase in flow rate from 5 % to 22% at different dosage.

Maintenance:

The various equipments installed at pipeline units were maintained at optimum level to achieve the required throughputs through a combination of predictive and preventative maintenance

practices. In total 42 major schedule maintenances of mainline engines were carried out in Pipelines Division during the year.

Total 135 km of mainline coating have been refurbished using Cold Applied Tape during the year.

Allen engine spare parts were procured through Long Term Spares Agreement with Rolls Royce for mainline engines of SMPL, MPPL and PHBPL. Similarly, spares parts were procured on annual basis for Fuel Injection Systems, Amot Panel of Allen engines and Napier turbochargers from respective OES/OEMs for 2008-09.

Board approval was obtained for replacement of 17 old engines / mainline pumping units of SMPL.

Safety & Environment Protection

- Quarterly self safety audit conducted at all pipeline installations by multi disciplinary teams in October–December 2009 as per directives of Ministry of Petroleum & Natural Gas. Quarterly self safety audit along with annual safety performance audit is conducted by a multi-disciplinary team at each location of operating pipelines for the quarter Jan-March 2010. Safety index, safety awareness survey, daily safety checks were also carried out at pipeline installations.
- Fire Service Day, World Environment Day and National Safety Day were observed at all pipeline installations, construction sites, regional and head offices with participation of employees to promote S&EP awareness.
- Onsite mock fire drill conducted every month in Pipeline installations. Offsite (mainline) mock drills were conducted by all the pipeline units as per yearly schedule. Oil spill response offshore drill conducted at SPMs of Vadinar on April 13, 2009 and December 15, 2009 along with Mutual Aid Partners (Essar / BORL / ICG) and GPCB representative.
- MOU signed with Paradip Port Trust (PPT) under which PPT will provide tier-1 Oil Spill Response facility for SPM at Paradip during tanker operation.

Projects

Projects Commissioned

Augmentation of Mundra–Panipat Pipeline: Project for augmentation of Mundra-Panipat Pipeline from 6 to 9 MMTPA was commissioned in June 2010 at a cost of Rs. 165 crore against approved cost of Rs.204.74 crore. The project was implemented for supplying additional 3 MMTPA crude oil required for Panipat refinery expansion to 15 MMTPA. The augmentation project was conceived consisting of laying a 22 inch diameter, 20 km long loopline in Kot – Beawar section and conversion of Radhanpur scraper station to pumping station while adding pumping units at Rewari and standby pumping units at Mundra, Kot and Sanganer.

Chennai-Bangalore Pipeline: The pipeline has been commissioned with introduction of BS II HSD from 07:23 Hrs on March 28, 2010. The product is scheduled to reach Chittoor on March

31, 2010 and Bangalore on April 2, 2010. The pipeline was established for cost effective positioning of products at consumption centre located in and around Bangalore and strengthening CPCL's positioning capabilities. The project consists of laying of 14 inch/12 inch diameter, 290 km long product pipeline from Chennai to Bangalore at an approved cost of Rs 273 crore. The commissioning activities have been flagged off by Mr. B.M. Bansal, Chairman on March 22, 2010.

Projects under Commissioning

Bijwasan-Panipat Naphtha Pipeline: The Naphtha Cracker Complex is being set up at Panipat Refinery in Haryana. With commissioning of Naphtha Cracker Unit at Panipat, the part of Naphtha requirement will be met from Mathura Refinery by laying pipeline from Bijwasan to Panipat. Transportation of Naphtha from Mathura to Bijwasan shall be done through existing Mathura-Bijwasan section of MJPL. Project envisages laying of 10" diameter, 118 km long pipeline from Bijwasan to Panipat for transportation of Naphtha from Mathura Refinery to Panipat. Approved cost of the project is Rs 79 crore. All the works have been completed and installations have been audited by OISD team on March 26-27, 2010. Commissioning of the project is awaiting readiness of refinery at Panipat for receipt of product.

Introduction of Rajasthan crude into IndianOil's pipelines: Project envisages providing mass flow meter, online viscous meter, isolating valves, heat tracing of above ground piping and recycle line at Radhanpur and Viramgam. Project also includes heat tracing of above ground lines and providing recycle lines (except at Panipat and Koyali) at Sidhpur, Abu Road, Kot, Beawar, Sanganer, Rewari, Panipat and Koyali. Approved cost of the project is Rs 30 crore. All the works have been completed at Radhanpur and Radhanpur installation has been audited by OISD team on March 28, 2010. Works are in advance stage of completion at other MPPL and SMPL locations. Commissioning activities are in progress at Radhanpur. The project is anticipated for completion by April 2010.

Projects under Implementation

Dadri-Panipat R-LNG Spur Pipeline: IndianOil is one of the promoters of Petronet LNG Limited (PLL). PLL has set up a 5 MMTPA LNG re-gasification terminal along with associated facilities at Dahej in the state of Gujarat. GAIL has put up the pipeline infrastructure for gas transportation ex-Dahej. With this linkage to GAIL's network it is possible to feed Re-gasified LNG (R-LNG) from Dahej to Panipat. Project envisages laying of 30 inch diameter, 132 km long spur line from Dadri (UP) terminal of GAIL's pipeline network to Panipat Refinery for supply of R-LNG as replacement of Naphtha currently being used there. Approved cost of the project is Rs 350 crore. All project materials have been received. Station works are completed and mainline laying works are in progress. The project is delayed due to stiff resistance by farmers in UP sector. Approximately 91% progress achieved. Efforts are on to achieve mechanical completion by April 2010.

Mathura-Bharatpur spur Pipeline: The marketing terminal at Bharatpur presently receives petroleum products namely, MS, SKO and HSD from Mathura and Koyali by rail. The project of

laying spur pipeline from Mathura station of Mathura-Tundla Pipeline to Bharatpur was approved at the cost of Rs. 22.77 crore. Project consists of laying 8.625 inch diameter, 21 km long product pipeline from existing Mathura station of MTPL to existing marketing terminal at Bharatpur (Rajasthan). Station works and mainline laying works are nearing completion. The project is anticipated for completion by April 2010.

Branch Pipeline to Hazira from KDPL: The marketing terminal at Hazira presently receives products namely, MS, SKO and HSD from Koyali by rail. Project envisages laying of 12 inch diameter, 94 km long branch pipeline from Koyali-Dahej Pipeline (from T-point at Amod) to Hazira marketing terminal. This will facilitate economical and reliable placement of petroleum products alongwith effective evacuation of products of Koyali Refinery to Marketing ToP at Hazira. Approved cost of the project is Rs 97 crore. Station works and mainline laying works are nearing completion. The project is anticipated for completion by **May 2010**.

Hook up of Tikrikalan terminal with MJPL: The proposal of hook up of proposed Tikrikalan terminal with existing MJPL by laying a loop of about 8 km and pumping facilities at Panipat, was approved at the cost of Rs. 59 crore. Project consists of installation of pumping facilities at Panipat and laying 14 inch diameter, 8 km long product pipeline loop for hook up of Tikrikalan terminal with MJPL. The proposed pipeline would ensure uninterrupted, regular and economical transportation of petroleum products to Tikrikalan terminal in a cost-effective manner. Mainline laying works are nearing completion. Station works are in progress at Panipat and Tikrikalan. The project is anticipated for completion by May 2010.

Augmentation of Chennai-Trichy-Madurai pipeline (1.8 to 2.3 MMTPA): For augmentation of existing CTMPL pipeline to meet the market demand of products, a project has been envisaged consisting installation of higher capacity mainline pumping units (MLPUs) at Chennai, shifting existing MLPUs from Chennai and installation at Asanur. Approved cost of the project is Rs 46 crore. Statutory clearance has been obtained for Asanur pump station installation. Station works and HT switchyard works are in progress at Asanur. The project is scheduled for completion by February 2011.

Construction of tanks and blending facility at Vadinar: Project envisages construction of five additional tanks (85,000 kl each) and crude oil blending facility at Vadinar. The proposed scheme would ensure the reduction in demurrage being paid at Vadinar crude oil receipt terminal. Approved cost of the project is Rs 267 crore. Tank foundation and dyke wall construction works are in progress. The project is anticipated for completion by August 2011.

Branch pipeline from KSPL, Viramgam to Kandla: A branch pipeline from KSPL, Viramgam to Kandla is envisaged for the transportation of surplus product of Koyali Refinery to Kandla port in west coast, which is most suited for export and coastal movement. Project envisages laying of 16 inch diameter, 217 km long branch pipeline from KSPL, Viramgam to existing scrapper station at Churwa alongwith use of 22 inch diameter, 14 km long existing pipeline from Churwa to Kandla. Approved cost of the project is Rs 349 crore. Works are in progress and the project is anticipated for completion by December 2011.

Transfer pipeline from North oil jetty to PHBPL Paradip: The proposed pipeline would ensure the availability of crude oil for PHBPL by using the north oil jetty inside the port harbour for handling of smaller crude oil tankers during the bad weather conditions. The demurrage due to waiting time would also get minimized. Project consists of providing marine unloading arms with accessories and controls at jetty and laying of 36 inch diameter, 10 km pipeline from North Oil Jetty to existing tank farm of PHBPL and hooking up with the existing crude oil receipt header. The anticipated cost of the pipeline system is Rs. 81 crore. The project is scheduled for completion by November 2010.

Kolkata ATF Pipeline: Project envisages laying of 8 inch diameter, 28 km long product pipeline from existing IndianOil terminal at Mourigram to Kolkata AFS(Gouripur). Laying a pipeline to Kolkata AFS would facilitate effective evacuation of ATF from existing terminal at Mourigram and ensure cost-effective and reliable transportation of ATF to the Kolkata AFS. Approved cost of the project is Rs 45 crore. The project is scheduled for completion in 18 months after receipt of clearance of NHAI.

Augmentation of CBPL (Chittoor Pump Station): The augmentation of Chennai-Bangalore Pipeline would facilitate cost-effective transportation of products so as to meet the projected demand of the TOPs at Chittoor and Bangalore. The proposal envisages augmentation of Chennai-Bangalore pipeline by providing a delivery-cum-pumping station at Chittoor. Approved cost of the project is Rs 53 crore. The project is scheduled for completion by August 2011.

Paradip- Sambalpur-Raipur-Ranchi Pipeline: The proposal envisages transportation of petroleum products from the forthcoming Paradip refinery. The proposed pipeline would connect the Paradip refinery to the Marketing TOPs at Jatni and Jharsuguda in Orissa, Korba and Raipur in Chhatisgarh and Ranchi in Jharkhand. Total length of the pipeline system is estimated to be about 1065 km. The proposed pipeline would ensure the evacuation of Paradip Refinery products and uninterrupted supply to the above demand centers in a cost-effective manner. Approved cost of the project is Rs 1793 crore. Various field activities for project have been commenced. The project is scheduled for completion by September 2012.

Guwahati ATF Pipeline: Laying a pipeline to Guwahati airport would facilitate effective evacuation of ATF from Guwahati Refinery and ensure cost-effective and reliable transportation of ATF to the Guwahati AFS. Project envisages laying of 8 inch diameter, 35 km long product pipeline from GSPL, Guwahati to Guwahati AFS. Approved cost of the project is Rs 44.00 crore.

De-bottlenecking of SMPL System: The proposal envisages de-bottlenecking/augmentation of SMPL system to meet the projected short term crude oil requirement of Mathura, Panipat and Koyali refineries. Project consists of providing full length of Salaya-Viramgam section by laying of 115 km additional pipeline length of 28 inch diameter and full length of Viramgam-Chaksu section by laying of 606 km new pipeline length of 28 inch diameter, laying of 46 kms 24 inch diameter loopline in Chaksu - Mathura section and new pumping facilities at Viramgam, Abu Road and Rajola. Approved cost of the project is Rs 1584 crore.

Integrated crude oil handling facilities at Paradip: The proposal envisages installation of 2 SPMs and subsea pipelines including interconnections of both the SPMs. Approved cost of the project is Rs 1493 crore. The project is scheduled for completion by June 2012.

Marketing Projects: Marketing terminal at Ratlam: Pipelines Division is constructing grass root terminal facilities at Bangrod, Ratlam. Approved cost of the terminal is Rs 179 crore. Marketing terminal (Excluding Railway Siding and Gantry works) has been commissioned in July 2009. Railway Siding and Gantry works are in progress and are targeted for completion by April 2010.

PMC Contract with CPCL: Pipelines Division is providing services of preparation of detailed feasibility report, detailed engineering procurement, inspection, project management, construction supervision, mechanical completion and commissioning of crude oil tankages and onshore pipeline for SPM Project of CPCL.

Human Resources

The Mentor-mentee engagement initiative in Pipelines Division has been revamped with the objective of providing speedy learning, knowledge acquisition by Probationary Officers and Relationship building across the Division.

HR Index initiative has been evolved in Pipelines Division with the objectives of facilitating effective implementation of HR policies and practices down to the bottom level of the Division, to create and foster an environment of belongingness, to strengthen the team bonding, enhance the level of internal customer satisfaction and Visibility of core values in practice.

Recognition & Reward Scheme has been developed and implemented by Pipelines Division, in which employees are felicitated for outstanding achievement and demonstration of core values of Care, Innovation, Passion and Trust at work and beyond the call of duty.

Golden Jubilee was celebrated at all the locations of Pipelines Division involving the stakeholders, employees and their family members. Programmes like tree plantation, school chalo abhiyaan, inter-school debate, quiz, Spellathon competitions, inter-school sports, cultural events etc. were organized at different places.

A comprehensive manpower study was conducted across Pipelines Division to assess the optimum requirement of officers in various Pipelines Stations to ensure effective manpower deployment across the Division. The Optimum Manpower Models (Officers) has been developed in the form of a Manual which encompasses brief details of facilities in each Pipeline Station and department-wise requirement of officers (Grade, Number & Discipline).

Total Productivity Maintenance (TPM) implementation initiated for the first time in Pipelines Division in Mathura – Delhi Pipeline (at Mathura and Bijwasan).

A one-day HR Conclave-2010 was organized by Pipelines Division in Noida on Feb. 20, 2010. Eminent HR professionals and HR practitioners of leading organizations in and around Noida participated in the Conclave. This industry-level meet, provided the participants with a unique opportunity to share HR experiences and people-friendly HR practices in different companies through expressive visual presentations.

A special drive under the Suggestion Scheme has been launched in the Division, with focus on 'pilferage' and 'leveraging available technology/system'. Employees came up with 'out-of-box' suggestions for enhancing productivity, system improvement and overall benefit of the organization. Selected suggestions were presented to Pipelines Management Committee.

Construction of Residential Colony at Bolpur has been approved, comprising residential quarters and an excellent standard transit camp cum guest house as desired by the board.

Rainwater-harvesting facility in PLHO Noida Office has been revamped and made operational.

Training & Development

Eight numbers of Capability Building Programmes on Pipeline Operations, each of three days duration covering various important aspects of product pipeline operations, were conducted at PLHO during December 2009 and Jan-Feb 2010. The programmes, conducted by our in-house expert faculty, were conceived in order to update technical skills and further build up confidence of our operating personnel towards ensuring safe, efficient and environmental friendly operations. In all 172 executives in grades A-F from 43 locations all over India attended these programmes.

Four executives of Bharat Oman Refineries Ltd were provided training on marine operations and maintenance during 15-19 June 2009 by our executives of WRPL at WRPL Vadinar resulting in revenues of around Rs. 8.80 lakhs.

The contractual activities for the 16 month long operations and maintenance training imparted to GNPOC personnel at Sudan from 2008 were successfully completed. All 16 batches of operations training were concluded by June 17, 2009, and all 14 Batches of maintenance training were concluded August 12, 2009. All the pending payments were realized from GNPOC in November 2009.

Finance

Judgment received in favour of IndianOil from Gujarat High Court, having an annual impact of approx 75 crore, in our writ petition against the levy of stamp duty on imported goods delivered in the State of Gujarat.

Judgment made in favour of IndianOil by Commissioner, Central Excise, Haldia against the Show Cause Notice for service tax demand of Rs.7.82 Crore on the 23.57% of Pipeline tariff for Ravva

crude oil transported to BRPL. As per the MoP&NG instructions, this tariff was compensated by IndianOil Refineries Division to BRPL and hence was not to be considered as value of service.

Direct salary credit from PLHO in bank accounts for employees posted at Regions/ Units commenced from April 2009

Medical, TA and other employee claims submission enabled through online.

A review was made for insurance coverage of Pipelines and it was suggested to insure the Pipelines crossing rivers, under Fire Policy.

Closure of Cash Counter at PLHO from November 1, 2009 and e-payments to employees.

Closure of Cash Counters in NRPL with effect from January 15, 2010.

The current (Imprest) accounts of GSPL, BKPL Allahabad, HMRBPL and SMPL (Viramgam and Sendra) have been converted into special current accounts. This will result in a yearly savings of Rs.21 lakh.

Overall increase in E-payment was achieved from 6.9% in 2008-09 to 29.17% in Apr 2009 to February 2010.

Awards and Recognitions

- Haldia Barauni crude Pipeline has been adjudged best performer (Crude Pipeline) in 'Cross Country Pipelines' category for the Year 2008-09 by OISD
- HBCPL has been awarded the 4th level award (Prashansa Patra) of NSCI Safety Awards - 2008 in the manufacturing sector category. This award is conferred for developing and implementing Occupational Safety & Health (OSH) management systems & procedures effectively and achieving good OSH performance in the 3 year assessment period of 2005-2007.
- WRPL, Koyali has been awarded the Gujarat Safety Council Award for the year 2008 in Industry category II - Petroleum - (Refining and Processing), Gas Generation and Distribution, Petrochemicals, Group D (Factories employing less than or equal to 100 employees).
- PHBPL have been awarded prestigious Rajiv Gandhi National Quality Award – 2008 under the category 'Large Scale Service Sector – Others', instituted by BIS.
- Haldia installation of Paradip-Haldia-Barauni Pipeline (PHBPL) has been awarded with the Director (Pipelines)' Rolling Trophy in the Best Station Contest Award for 2008-09.
- First Prize to PLHO, NOIDA for outstanding performance in Hindi Implementation by Deptt. of Official Language (Ministry of Home Affairs) in PSU category in 'A' Region for the year 2007-08.
- First Prize to NRPL, Bijwasan for excellent work in Hindi by Deptt. of Official Language (Ministry of Home Affairs) in PSU category in 'Delhi' Region for the year 2007-08.
- Third Prize to NRPL, Panipat for outstanding performance in Hindi Implementation by Deptt. of Official Language (Ministry of Home Affairs) in 'A' Region for the year 2007-08.
- First Prize to NRPL, Panipat for excellent work in Hindi consecutively 9th year by TOLIC, Panipat.

All figures are provisional: March 31, 2010