



सत्यमेव जयते

Ministry of Water Resources
Govt. of India



ICID • CIID

The International Commission
on Irrigation and Drainage



INCID

The Indian National Committee
on Irrigation and Drainage

Information Bulletin &
Call for Papers



5th ARC 2009

60th International Executive Council Meeting & 5th Asian Regional Conference

Improvement in Efficiency of Irrigation Projects
through Technology Upgradation and
Better Operation & Maintenance

6-11 December 2009
New Delhi, India

Organised by

Central Water Commission
Govt. of India

&

Indian National Committee on
Irrigation and Drainage

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Invitation from President, ICID

Dear Colleagues and Friends,

I take this opportunity to invite you to the 60th IEC and 5th Asian Regional Conference meeting to be held in New Delhi, December 6-11, 2009.

I am indeed grateful that the Indian National Committee (INCID) with the support of Government of India, Ministry of Water Resources and Central Water Commission have agreed to host these two concurrent events which are of highest importance within ICID and to the Asia region as well.

The theme of the 5th Asian Regional Conference is **Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation and Maintenance**. This theme is very significant given that the largest irrigated region in the world lies in Asia, and some of the oldest irrigation schemes are also found in Asia. Not coincidentally is also the fact the largest number of mouths to feed reside in Asia, and the number is growing! How to feed and clothe this burgeoning population is a challenge for the world community, considering the enormous pressures on land and water resources in Asia, dwindling supplies of water, and the extensive pollution. Current irrigation infrastructure cannot sustain the demands for food and fibre. Productivity and sustainability will require not just improvements in efficiency, technology, and better operation and maintenance, but new irrigator and

professional skills. New knowledge, new ways of doing business, and new thinking lie at the heart of the advances required.

By coming together as a world body in Delhi in December, we will have a unique opportunity to put our minds to work collectively on the most severe challenges facing the irrigation and agri-food sectors at this point in history.

I therefore invite you to jot the dates of December 6-11, 2009 on your calendar, and New Delhi as the place to be. Discover the richness, diversity and cultures of India. Experience this land of ancient civilization, wonder and excitement-the home to the Taj Mahal, and our very own ICID Central Office. In addition to the business side of the meetings, there is sightseeing, shopping of gold, silver, precious gems, silk, spices, and handicrafts, and visits to some superb water resources projects.

Please come with your families and enjoy some of the finest hospitality of our hosts, INCID and CWC, as well as the ICID Central Office, who I know will go all out to provide a most pleasant and fruitful IEC and Asian Regional Conference.

I look forward to welcoming you to Delhi.

Yours truly,

Chandra Madramootoo
President, ICID





Invitation from Chairman, INCID

On the eve of 60th year of ICID foundation, its Diamond Jubilee year, I take pride to announce that India has the privilege to host the 60th IEC of ICID together with the 5th Asian Regional Conference.

On behalf of the Indian National Committee on Irrigation and Drainage (INCID) and on my behalf, I extend a warm invitation to you and your colleagues to participate in the 60th IEC of ICID and 5th Asian Regional Conference, which will be held in New Delhi, India from 6 - 11 December 2009. The Conference will focus on the **“Improvement in Efficiency of Irrigation Projects Through Technology Upgradation and Better Operation & Maintenance”**. As you are aware, the Central Office of ICID is at Delhi and it would be an excellent opportunity to be here in the Diamond Jubilee Year of its foundation.

The history of irrigation development in India can be traced back to pre-historic times. Vedas and ancient Indian scriptures made references to wells, canals, tanks and dams which were beneficial to the community and their efficient operation and maintenance was the responsibility of the State. Civilization flourished on the banks of the rivers and harnessed the water for sustenance of life. In an agrarian economy like India, irrigation has played a major role in the production process. There is an evidence of the practice of irrigation since the establishment of settled agriculture during the Indus Valley Civilization (2500 BC).

India's achievements have been spectacular during the past 60 years after the country became independent, inheriting an economy which was in a bad state. Large quantities of food grains were required to be imported to feed its population. In order to make this country

self-sufficient in food production, large scale irrigation projects were undertaken during the various five year plans. As a result of this development, so far 4050 large dams have been constructed and about 87.23 million ha irrigation potential has been created. It is estimated that irrigated agriculture alone has contributed 52 percent increase in foodgrain production and in the process has made the country not only self-sufficient, but in a position of exporter of the food grains. India has the third largest pressurised irrigation system in the world. It has been realized that unless the farmers are progressively involved, in an organized way, in the operation and maintenance of irrigation system, the objective of increased utilization and production from irrigation commands cannot be realized and even it cannot be sustained in the long run. Therefore, various Indian states have introduced Participatory Irrigation Management under which Water User Associations have been formed has also ensured representation of women.

We look forward to your participation in the 60th IEC of ICID and 5th Asian Regional Conference in December 2009 to share your experiences by way of submitting papers followed by your visit here for enlivening the proceedings with discussions. The Indian National Committee (INCID) and the Organizing Committee of the 60th IEC and 5th Asian Regional Conference will endeavour to provide you an enjoyable stay and exciting experience in this country.

Looking forward to meet you in the Conference in New Delhi.

A.K. Bajaj
Chairman, INCID / CWC





Welcome to New Delhi, India

India - The Host Country

India is an ancient land of archeological wonders that speak of cultural heritage of an ancient civilization. India, a Sub-Continent almost as large as Europe, is a land of silvery snow peaks, sun-drenched golden beaches, dense forests and arid deserts.

India is endowed with towering mountain ranges, rolling hills, lofty plateaus and extensive plains which have all played their role in shaping its cultural, economic and political history. The most outstanding characteristic of India, and probably one of its greatest charms, is undeniably, its diversity. India is a country with a sense of individuality and rich heritage; its civilization is unique in vitality and antiquity. It offers the visitors something special everywhere, and in everything. It is a land of treasures, temples, palaces, forts and magnificent scenery. Those seeking footprints of history will find that India has a vast area, where races and cultures have battled and blended, and creating sublime achievements in art, religion and philosophy.

India today is a young democracy at its vibrant best with a population of over 1.1 billion poised to achieve national targets for upward mobility. India has a rich cultural heritage spanning over 5000 years when one of its oldest civilization existed on the banks of the river Indus.

India is a country where all the religions of the World are not only studied but practiced. Hinduism, Buddhism, Jainism and Sikhism had their origin in India. Today, India has contributed and given to the World Yoga, Meditation and Principles of Non-Violence. It is their faith in the God and submission of the self to the eternal, which sustains the people of India.

New Delhi-The Host City

The city conceals within its bosom annals of civilizations that flourished for more than 3,000 years. Indraprastha, according to legends, the city founded by the Pandavas in the time of epic Mahabharata (Circa 1500 BC) was located near the old fort that stands on a large mound overlooking the river. Since those early days many dynasties and rulers flourished on its regal soil. The legacy of that past survives in the form of many monuments left behind by the regents, each a chronicle of the glory of its time and an imprint of the character of the ruler. Today, the city with more than 10 million inhabitants is a curious blend of traditional architectural marvels and the modern skyscrapers, spotted with beautiful gardens and joined by wide tree-lined avenues. Delhi blends within its folds the great cultural variety of India; an everlasting range of activity, a million ways of saying "YOU ARE WELCOME". Presently the entire city infrastructure is being spruced up for the Commonwealth Games scheduled to be held in October 2010.

Only 200 km from Delhi and a must to visit before or after the Conference is the City of Agra, world-famous for the splendid Taj Mahal. Also not far away from Delhi and worth a visit is Jaipur popularly known as the Pink City, the Capital of the state of Rajasthan. With its rich and colourful past, resplendent with tales of valour and bravery, Jaipur is now one of the most important heritage cities in India.





The International Commission on Irrigation and Drainage (ICID)

The International Commission on Irrigation and Drainage (ICID) is established as a Scientific, Technical, Professional and Voluntary Not-for Profit Non-Governmental International Organization (NGO) dedicated, inter alia, to enhance the worldwide supply of food and fiber for all people by improving water and land management, and the productivity of irrigated and drained lands through the appropriate management of water, environment and the application of irrigation, drainage and flood control techniques. ICID started its operations on June 24, 1950 with its Central Office in New Delhi and this year is its Diamond Jubilee Year.

The Mission of ICID is to stimulate and promote

the development of the arts, sciences and techniques of engineering, agriculture, economics, ecology and social science in managing water and land resources for irrigation, drainage, flood control and river training applications, including research and development and capacity building, adopting comprehensive approaches and up-to-date techniques for sustainable agriculture in the world.

Starting with 11 founding member countries in June 1950, today 105 countries have so far been admitted to the fold of ICID for sharing its efforts in the direction of sustainable irrigation. Currently 66 countries are actively participating in the activities of ICID. India is one of the founding countries.



INCID

The Indian National Committee on Irrigation and Drainage (INCID)

For furthering the objectives of ICID and coordination of various activities including collection and compilation of information/data, its publication and dissemination of information and activities in the field of irrigation, drainage and flood management, each country has set up National Committees for the purpose. The Indian National Committee of Irrigation and Drainage (INCID) is the Indian National Committee for ICID. The Chairman, Central Water Commission, is the apex technical organization of Govt. of India in the field of water resources is the Chairman of INCID.

The objectives of INCID are akin to that of ICID and are (a) to stimulate and promote research and development and application of irrigation, drainage, river training and flood control techniques within

India and (b) cooperate with ICID for the distribution and interchange of information between the National Committees of the participating countries, promoting mass awareness and encouraging people's participation. INCID has also been entrusted with the work of appraisal and monitoring of Research and Development (R&D) schemes in the field of irrigation & drainage funded by the Ministry of Water Resources.

INCID has organized many International Workshops such as, 8th ICID International Drainage Workshop; PODIUM workshop; workshop for the delegation from Aral Sea Basin Countries; and several National workshops. So far, INCID has brought out 10 technical publications.



International Executive Council

The International Executive Council, manages the affairs of the International Commission on Irrigation and Drainage. The main objective of the IEC is to approve report, recommendations and work plans for the working bodies of the ICID. It considers all policy matters that may be

initiated or sponsored by any member National Committee or office bearer or by the Management Board. All matters affecting the executive or administrative function and financial liabilities of ICID must be placed before the IEC and its decisions are conclusive.

5th Asian Regional Conference

1. BACKGROUND

The first Asian Regional Conference was held at Seoul, Korea during 17-18 September, 2001 with the theme of "Agriculture, Water and Environment". Second Conference was held at Echuca/ Maoma, Australia on 14-17 March, 2004 and the theme was "Irrigation in catchment context: Sharing the river", the third Conference was held at Kuala Lumpur, Malaysia during 10-17 September, 2006 and the main theme was "Transforming Irrigated Agriculture into an Efficient Engine of Growth" and the fourth was held at Tehran, Iran on 2-5 May, 2007 and the main theme was "Participatory Irrigation Management".

2. THE ICID ASIAN REGIONAL WORKING GROUP

The mandate of Asian Regional Working Group (ASRWG) of ICID is to focus on common topics and issues; to enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region and to encourage membership and coordinate activities in the region.

As a sequel to the activity of ICID and ASRWG, India is hosting the 5th Asian Regional Conference along with 60th International Executive Council Meeting at New Delhi from 6 to 11 December, 2009.

3. THEME OF THE CONFERENCE

The main theme for the Conference is "Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation & Maintenance".

4. CALL FOR PAPERS

Papers are invited on the following sub-themes:

I Modernization of Public/State Operated Irrigation System and Services

- Conveyance and distribution network
- On-farm water management
- Water audit
- Operation and maintenance
- Institutional reforms and restructuring
- Modern tools for improving System Performance

II Public-Private Partnership in Irrigation Development and Management

- Scope, types of PPP, challenges and opportunities
- Emerging regional experiences



III Integrated Approach in Agricultural Drainage

- Innovations in surface and sub-surface drainage technologies
- Disposal and reuse of drain water
- Controlled and bio-drainage
- Challenges for sustainability of agricultural drainage
- Policies and management strategies for flood management

IV Capacity Development for Modern Irrigation Management

- Capacity development - changing paradigms and approaches
- Capacity development of farmer organizations including women farmers
- Capacity development and field implementation - bridging the gap

V Impact of Climate Change on Water Resources Availability and Crop Productivity

- Impact on water resources availability and challenges of water management
- Impact on crop pattern; productivity and social sector
- Adaptation to climate change – policies, tools, and measures

VI Legal Aspects in Sharing of Water Resources

- Status, experiences, and lessons learnt
- Emerging approaches and strategies

A Special Session on Groundwater Recharge will be held on the concluding day.

All concerned wishing to present paper(s) on one or more of the above mentioned sub-themes/allied sub-themes are requested to send the synopsis(es) of their proposed paper(s) in about 450-550 words, containing summary and

conclusion, typed in double space, on A-4 size (210 mm × 297 mm) paper, font Arial & Size-12 pt in English to the conference secretariat. Only original contributions that have not been published anywhere or presented at any other conference need to be submitted.

Synopsis should contain

- Title of the paper
- Comprehensive “Summary & conclusion of paper”
- Name(s) and affiliation(s) of the author(s)
- Address for correspondence (including Fax No and e-mail address)

The purpose of requesting a comprehensive abstract is to enable the reviewers to make a correct appraisal of the suitability of the paper for the conference.

The synopses will be reviewed by the Technical Committee of the conference for their suitability for presentation at the conference.

5. SCHEDULE

Submission of Comprehensive “Synopsis” of at least 450-550 words of proposed papers to the Organizers electronically

30th Apr, 2009

Intimation of acceptance of “Synopsis” of the proposed papers, electronically

31st May 2009

Receipt of full text of accepted papers in MSWord under WINDOWS environment, electronically

31th Aug, 2009

6. OFFICIAL LANGUAGE

The official language of the Conference is English.

7. DATE & VENUE

The conference is proposed to be held at Vigyan Bhavan, Maulana Azad Road, New Delhi during 6-11 December, 2009.



8. REGISTRATION

Participants are encouraged to register for the Conference as early as possible to take advantage of the **pre-registration fee incentive of US\$ 50/ INR 500 by 30 June 2009**. You may register for the Conference on website www.incid2009.delhi.org and also send a hardcopy to the Conference Secretariat. Participants can also send the registration form by post to the Conference Secretariat. The registration fee payable by the delegates, including authors of papers, for participation in the conference is as follows:

The strategic location of this mega event in India which is the largest democracy and the fifth largest economy in the world, will be a key factor for the participants who are looking for a gateway to this potential region. The details about demographics, event layout, benefits will be given in a separate bulletin which will be available on request. Built-up stalls in octonorm style complete with basic facilities are available in sizes 3x3 sq. metre. Apart from the extensive international exposure for an organization's products and services under one roof, exhibitors will also have a unique opportunity to spread their

Countries	Delegate / Authors	Young Professionals*	Accompanying Persons
India/SAARC**	Rs. 8,000/-	Rs. 4,000/-	Rs. 4,000/-
Others	US\$ 700	US\$ 350	US\$ 250

* Upto the age of 40 years, as defined by ICID.

**SAARC Countries: India, Nepal, Bhutan, Pakistan, Bangladesh, Sri Lanka, Maldives, Afghanistan.

To avail the young professional concession in the registration fee, the registration form / request would have to be submitted through concerned National Committee of ICID to the conference secretariat.

The registration fee covers admission to all official functions, technical sessions, one set of pre-session papers, dinner (Welcome and farewell dinner), lunch and tea in between technical sessions.

The Registration for accompanying persons will cover admission to all official lunches, cultural programmes and welcome and farewell dinner.

Note: The participants will have to bear travel cost from their country to Delhi and back, Visa fee Hotel accommodation.

Please register yourself for the Conference in the Registration Form enclosed.

Payment Method

The details of mode of payment for the registration fee will be available on Conference website www.incid2009.delhi.org.

9. EXHIBITION

In conjunction with the Asian Regional Conference, an exhibition of products and services related to irrigation, flood control and drainage is also planned to be held. The exhibition will be held through out the Conference period. Since irrigation and drainage experts, engineers, contractors, government and non-government officials from all over the world will be there, the exhibition will be a perfect platform for manufacturers and suppliers to exhibit and demonstrate their latest products and technologies and for buyers to meet the manufacturers and consultants to demonstrate their expertise under one roof.

network in this region, and find new joint ventures and profit from the growing business in this emerging and technologically important area.

Exhibition Participation Fee

Tariff for SAARC Countries: INR 6,000 per sq.mtr.

Tariff for other Countries: US\$ 200 per sq.mtr.

One person of each Exhibitor will be registered as a free delegate to attend the conference.

10. SPONSORSHIP

The 60th IEC meeting and 5th Asian Regional Conference of ICID will provide an excellent



opportunities to national and international organizations; central / state government organizations, public sector undertakings, industrial organizations, equipment manufacturers, entrepreneurs, financial and funding institutions, consulting organizations and construction organizations to publicize themselves by being a Platinum / Golden / Silver sponsors or Supporter of the Conference. The sponsorship fees payable and benefits are mentioned below. Interested organizations may communicate their willingness to Conference Secretariat.

Level	Fee	Benefit / Complimentary Items included
Platinum Sponsor	USD 15,000	<ul style="list-style-type: none"> • Full registration for ten delegates • Company name and logo on conference, Web Page (linked to the company website) promotion material like proceedings volume, banner/ signage, stationary items etc. • A full page advertisement in the Souvenir • 10 min. time slot for technical presentation in the respective session • Distribution of Literature/ Brochures • One Exhibition Stall of 3m×3m
	INR 5,00,000	
Golden Sponsor	USD 10,000	<ul style="list-style-type: none"> • Full registration for five delegates • Company name and logo on conference, Web Page (linked to the company website) promotion material like proceedings volume, banner/signage, stationary items etc. • A full page advertisement in the Souvenir • Distribution of Literature/ Brochures • One Exhibition Stall of 3m×3m
	INR 4,00,000	

Level	Fee	Benefit / Complimentary Items included
Silver Sponsor	USD 7,500	<ul style="list-style-type: none"> • Full registration for three delegates • Company name and logo on conference, Web Page (linked to the company website) promotion material like proceedings volume, banner / signage, stationary items etc. • A full page advertisement in the Souvenir • Distribution of Literature/ Brochures • One Exhibition Stall of 3m×3m
	INR 3,00,000	
Supporter	USD 5,000	<ul style="list-style-type: none"> • Full registration for two delegates • Company name & logo in conference proceedings volume • A full page advertisement in the Souvenir • Distribution of Literature/ Brochures • One Exhibition Stall of 3m×3m
	INR 2,00,000	

Advertisement Opportunities

A limited space will be made available on first-come-first-served basis, for coloured advertisement to the organizations, involved in the concerned field, in the Souvenir (A4 size coloured) being brought out on the occasion of the Conference. The interested organizations are required to send the advertisement material, i.e., Art Work/Negative/Positive along with payments as detailed below:

Inner Pages	US\$ 500 / INR 30,000
2 nd & 3 rd Cover	US\$ 1000 / INR 40,000
Back Cover	US\$ 1500 / INR 50,000

11. HOTEL ACCOMMODATION

As December being the peak conference and tourist season, we recommend you to block the hotel rooms well in advance, failing which rooms will be provided subject to availability. Hence, participants are advised

to make reservation for hotel accommodation well in advance by indicating their preference for hotel category in the registration form. The hotels and the range of tariffs are given below:

5 Star Hotels: The Lalit, Le Meridien, Jaypee Siddharth
(Tariff Range: US\$275 - US\$375)

4 Star Hotels: Ramada, Hans Plaza, Marina, The Connaught, Janpath
(Tariff Range: US\$150 - US\$250)

3 Star Hotels: Metro Heights, The Corus, Shanti Palace, Grand Surtaj
(Tariff Range: US\$ 80 - US\$150)

12. TECHNICAL VISITS

Technical visits for participants will be arranged on 12th December 2009 on cost sharing basis.

TV1 Visit to Roorkee - Irrigation Research Institute (IRI), Indian Institute of Technology, Roorkee

Irrigation Research Institute (IRI) Roorkee was established in the year 1928 engaged in research, development and testing works related to irrigation, flood and hydroelectric projects. The institute also undertakes problems of basic and fundamental research having immediate applicability in the field.

Indian Institute of Technology, Roorkee is the oldest Engineering Institution and is well recognized with its expertise in water resources sector.

TV2 Visit to Karnal - Central Soil Salinity Research Institute (CSSRI)

Central Soil Salinity Research Institute (CSSRI), a part of the Indian Council of Agricultural Research (ICAR) system was established in 1969 and is engaged in the research on problems of alkalinity and salinity coupled with water logging, seriously reducing the agricultural productivity which has grave implications for our food security system. In addition, CSSRI is

the co-ordinating unit of an All India Coordinated Research Project on "Management of Salt Affected Soils and Use of Saline Water in Agriculture".

13. TOUR PROGRAMME

EXCURSION TOURS (*same day return trips*)

ET-1 The City of Romance - Agra

It is for that superb white marble tomb known as the Taj Mahal built by Emperor Shah Jahan for his beloved wife Mumtaz Mahal, that Agra occupies a mystic stature in the world's imagination. After his first sight in 1857 of the Taj inlaid with semi-precious stones, Lord Robert wrote, "To those who have not already seen it, I would say - go to India. The Taj alone is worth the Journey". There is therefore no surprise that the Taj occupies a prominent place amongst the eight wonders of the world.

ET-2 The Pink City - Jaipur

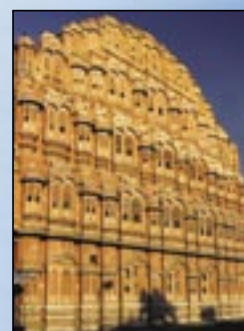
Welcome to a glorious riot of colour, pomp and pageantry; to a dream called Jaipur! Amer Fort - which inter alia be the Jai Mandir or the Temple of Victory with its famed Sheesh Manahl, the scintillating Hall of Mirrors reflect the past glory of Rajputs. The delegates ascend the fort on elephant backs just as the Royalty did in the past. Hawa Mahal - The Palace of Winds, it presents a unique and a fascinating facade with five storeys of windows with latticed screens.

14. POST CONFERENCE TOUR

PCT-1 Delhi - Vadodra-Sardar Sarovar-Vadodara-Delhi (2 nights & 3 days)

SARDAR SAROVAR (NARMADA) PROJECT

The Sardar Sarovar Project is a multipurpose river valley project on the west flowing river Narmada. The Project envisages construction of a concrete gravity dam 1210 m long with an average height of 125 m, two power houses; one river-bed-



underground-power-house with installed capacity of 1200 MW and other canal head power house of 250 MW and a right bank main canal having a very large capacity of 1133 cumec (40,000 cusec) at its head. The canal system shall help in creating an irrigation potential of 17,92,000 ha. in Gujarat which is one of the largest in the world. It will also provide water for domestic and industrial use to more than 8215 villages and 135 urban Centers.

PCT-2 Delhi – Bangalore – Mysore- Delhi

Bangalore: India’s garden city, which has had few, parallels in growth and development is now known as Silicon Valley of India. In Bangalore, visit Lalbaug, Art and Crafts Center and drive past the magnificent Vidhana Saudha – Government Secretariat.

Mysore: Mysore, a former princely state capital is 140 km from Bangalore. A city of fine buildings and palaces. Located at 20 minutes drive from the city is the Krishnarajasagar Dam across the river Cauvery.

KRISHNARAJASAGAR DAM



Krishnarajasagar masonry dam was constructed using surkhi mortar across the river Cauvery in 1932. The reservoir behind the 43 m high and 2,621 m long dam has a gross capacity of 1,369 hm³ to irrigate about 79,305

ha. On the downstream of dam is laid world famous ‘Brindavan Gardens’ with musical fountains and colored lights is something visitors would cherish.

PCT-3 Delhi – Goa – Delhi (4 nights & 5 days)

Goa: The former Portuguese colony of Goa has enjoyed a prominent place in the traveller’s lexicon for many years. The magnificent palmfringed beaches have attracted the leisure seeker from all over the world. Goa offers more than just sun, sand and sea.

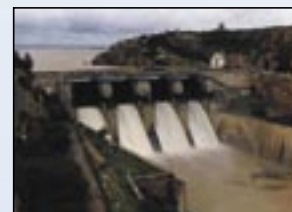


Gleaming whitewashed churches with Portuguese style facades, rice paddy fields and coconut palm

groves, while crumbling forts guard rock capes and estuary entrances.

MALAPRABHA IRRIGATION PROJECT

Malaprabha dam was constructed during 1972 across river Malaprabha which is located in Belgaum District of Karnataka. Two canals one 150 km from left bank and other 142 km from right bank of the project irrigates total area of 2,20,000 ha. The project is located approx. 100 km from Goa.



PCT-4 Delhi–Hyderabad–Delhi (3 nights & 4 days)

The Charminar, was built by Mohammed Quli Qutab Shah, in 1591 to propitiate the evil forces from destroying his new city with the plague. The symbol of the city, the Charminar, looming at a height of 56m, is an impressive square gateway with four minarets.



Golconda Fort - is one of the most magnificent fortress complexes located on the outskirts of Hyderabad City. The history of Golconda Fort dates back to the early 13th century, when this southeastern part of the country was ruled by the Kakatiyas. The fortress is built on a granite hill 120 m high. One of the most remarkable features of Golconda is its system of acoustics. The sounds of hands clapped in the grand portico can be heard in the Durbar Hall, at the very top of the hill.

NAGARAJUNASAGAR DAM

The Nagarajuna dam, one of the largest masonry Dam in the world was completed in 1960 and is 124 m high. The length of the dam is 4.8 km and the dam is constructed across river Krishna Two canal



system take off from the dam which irrigates total area of 8,95,000 ha.

PCT-5 Delhi – Nainital – Ramganga Project– Jim Cobrett (03 Nights /04 days)



JIM CORBETT NATIONAL PARK

Corbett National Park is located in the foothills of the Himalayas. Home to a variety of flora and fauna,

it is famous for its wild population of Tigers, Leopards and Elephants. Corbett national park was established in 1936, and the first sanctuary to come under Project Tiger which was launched in 1973. Once a popular hunting ground of the British, this 201 square mile park was named in honor of late Jim Corbett, the legendary hunter-naturalist turned author and photographer who spent most of his years in this area.

NAINITAL



Nainital is a glittering jewel in the Himalyan necklace, blessed with scenic natural splendour and varied natural resources. Dotted with lakes, Nainital has earned the epithet of 'Lake District' of India. The most prominent of the lakes is Naini lake ringed by hills.

Ramganga Project

This multipurpose project comprises 128 m high, earth and rockfill dam across river Ramganga at Kalarah and 198 MW power house at the toe of dam.



The tail water is diverted into 84 km long channel to feed Lower Ganga Canal and Ramganga Canal system. An additional 5,91,000 hectare of land

has been provided with irrigation facilities.

PCT-6 New Delhi - Aurangabad - Ajanta Ellora Caves and Jaikwadi Project (3 nights & 4 days)

Ellora Caves, Nestled in the crook of the Charanadari hill in Deccan is a series of ancient temples and monasteries hewn out of the mountain side. Situated on the ancient north- south trade route or the dakshinapatha, the tiny mountain village of Verul - mutated today to Ellora -was a well- known stopover for traders, priests and pilgrims who plied the route to the western ports.



Beginning sometime in the 7th century, when the Chalukyas (AD 553 - 753) ruled the Deccan, these wayfarers decided to make their presence permanent.

Ajanta Caves: About 107 km from the city of Aurangabad, the rock-cut caves of Ajanta nestle in a panoramic gorge, in the form of a gigantic horseshoe. Among the finest examples of some of the



earliest Buddhist architecture, caves-paintings and sculptures, these caves comprise Chaitya Halls, or shrines, dedicated to Lord Buddha and Viharas, or monasteries, used by Buddhist monks for meditation and the study of Buddhist teachings. The paintings that adorn the walls and ceilings of the caves depict incidents from the life of the Buddha and various Buddhist divinities.

Jayakwadi Dam, is one of the largest earthen dam (11 km) built across the Godavari River provides irrigation to 2,76,000 ha. of land. Jayakwadi Dam is famous for its vantage points for bird watching. Dnyaneshwar Udyan downstream of the dam is the nearby attraction. The project is



approx. 50 km from Aurangabad city.

Itinerary and costing details of the tours are being chalked out in consultation with State Government / Project authorities and details will be given in the second bulletin of the Conference. These post-conference tours will be operated subject to the participation of minimum 15 persons.

15. ACCOMPANYING PERSON'S TOUR

New Delhi and its surroundings are too well known all over the world to spend many words on illustrating their beauties. A treasure full of surprises. A city rooted on history, racing towards the twenty-first century.

A short description of the highlights of the costing are indicated below which would help the participants to organize their stay as it suits them best.

APT 1 Half day tour of New Delhi



Visit Qutab Minar, 72 m high and one of the perfect towers of the Persian world. Nearby, amidst the ruins of the Quwut-ul-Islam Mosque stands the Iron Pillar. This has stood vagaries of weather and has not rusted over 1500 years; Humayun's tomb aptly called the predecessor of Taj Mahal; India gate, a war memorial of 30000 soldiers who laid down their lives during the 1st World War. During the tour drive past the Presidents estate and the Parliament house.



APT 2 Half day tour of Old Delhi

Old Delhi was built by Shah Jahan during the 17th century and is considered today as an epitome of Indo-Islamic architecture. The tour takes you through Jama

Masjid, the largest mosque in India, dariba kalan, the Silver Street, Kinari bazaar and Chandni Chowk where you can see the quaint shops with incredible wares and finally visit the Red fort.

APT 3 Half-day tour to Bahai Temple and Akshardham Temple

Bahai temple, which is also known as the Lotus temple, built between 1980 and 1986 is set amongst pools and gardens, and adherents of any faith are free to visit the temple and pray or meditate silently according to their own religion.



Akshardham means the eternal, divine abode of the supreme God, the abode of eternal values and virtues of Akshar as defined in the Vedas and Upanishads where divine bhakti, purity and peace forever pervade. For the first time ever in the world witness the heritage of India in all its facets, insights and beauty at the Swaminarayan Akshardham through its monument, exhibitions, verdant gardens and other attractions.



APT 4 Evening of son-et-lumiere at Red Fort

A spectacle with clever interplay of sound, light and actual voices are performed.



The scenes are re-enacted from the day Delhi was founded, and continues until 15th August 1947, when Jawaharlal Nehru delivered his great Independence oration from the ramparts of the fort. After the show enjoy the typical Indian dinner in a local restaurant follows this.

GENERAL INFORMATION

IEC Meetings and Asian Regional Conference Venue: Vigyan Bhawan and Convention Centre

The majestic capital city of India is blessed with a great art and architecture. Vigyan Bhawan, India's premiere Conference Centre is a great example. Located at the Maulana Azad Road, it has been the venue for many historically noteworthy conferences and summits attended by distinguished world leaders and dignitaries. Built in 1956, it has a splendid ambience and an astounding art. Vigyan Bhawan has been the venue of various Head-of-State level meets such as CHOGM, NAM and the Seven-Nation Summit. It has caucus facilities, which include computer controlled conference systems with concurrent interpretation system up to eight languages. An awesome in-house TV linked with satellite; communication facilities of E-mail, Fax are the key highlights of this great structure. Local Area Net work with P.C.s, Video recording and large screen video projections are also other facilities available for day-to-day conferences. It is strategically located in one of the most beautiful locations in Delhi near the President's Estate and India Gate. Overlooking lush green lawns, it is in the walking environs of Gallery of Modern Art, the National Museum and other sites of tourist interest.

TIME: 5½ hours ahead of GMT.

WEATHER: The climate in New Delhi will be pleasant in the month of December. The maximum temperature at Delhi in December ranges from 15-20°C and minimum temperature from 7-10° C. Relative humidity maximum 30-35% and minimum 12-14%.

ELECTRIC CURRENT: Voltage is 220 volts (50Hz) AC

CURRENCY REGULATIONS: The currency is the Rupee, abbreviated as Rs. Monetary unit: 1 Indian Rupee = 100 paise. Approx. conversion 1 USD = Rs. 48/- 1€ = Rs. 60/- as on January 2008. US\$ and Euro are the easiest to change, however any money NOT exchanged via a bank is a criminal offence.

Changing Money: Foreign currency regulations are strict. Only change money at banks or legal foreign exchange dealers. Keep and look after your transaction receipts as you may be required to provide proof that you obtained your rupees legally.

CREDIT CARDS: A growing number of hotels, restaurants and shops in the major cities are beginning to accept credit cards, the well known and more accepted ones being American Express, Master Card, Diners Club and Visa.

ENTRY/EXIT REQUIREMENTS: A passport and visa are required for entry into India. All visitors must obtain

visas at an Indian Embassy or Consulate abroad prior to entering the country. There are no provisions for visas upon arrival, and those arriving in India without visas bearing the correct validity dates and number of entries are subject to deportation.

DUTY FREE: Duty free items which you may bring to India include personal effects like clothing and other articles but not if this is commercial merchandise. All expensive electronic equipments must be declared at the customs which will be rechecked on departure.

BANKING AND COMMUNICATION FACILITIES: Foreign exchange facilities, fax and phone service are available at the hotels.

WATER: It is advisable to drink only bottled or distilled water, which is widely available - check the bottle cap has not been tampered with. Order the same when you are at a restaurant. As far as possible, avoid drinking any kind of water or juices from roadside carts and vendors.

VISA AND CUSTOM REQUIREMENTS: All visitors to India require a visa, except visitors from Nepal and Bhutan. The best place to get your visa is at Indian Embassy and High Commissions in your country of residence. Please check your nearest Embassy, Consulate or High Commission for all the details for getting visa. Keep your passport with you at all the time

TELEPHONE: The international direct dialling code for India is 91 and New Delhi code is 11. Telephone booths are available in all towns/villages. (24 hr. service is available in large hotels).

NEAREST INTERNATIONAL AIRPORT: Indira Gandhi (Delhi)

INVITATION LETTER: An official invitation letter will be issued by the Organizing Committee. This will be provided upon request after receiving your registration form. However, the official invitation letter will not guarantee the payment of any expenses such as registration, travel or hotel accommodation for the Conference.

LIABILITY: The Organizing Committee shall not be liable for personal accidents or losses or damage to private property of registered participants of the conference. Participants should make their own arrangements with the respect to personal insurance..

DISCLAIMER: Whilst every attempt will be made that all features of the conference mentioned in this announcement will take place as scheduled, the Organizing Committee reserves the rights to make last minute changes should there be need arise.



PROGRAMME AT A GLANCE (Tentative)

Schedule of Meetings for 60th IEC Meeting, and 5th Asian Regional Conference (6-11 December, 2009, New Delhi)

Time	Saturday 5 Dec. 2009		Sunday 6 Dec. 2009		Monday 7 Dec. 2009		Tuesday 8 Dec. 2009		Wednesday 9 Dec. 2009		Thursday 10 Dec. 2009		Friday 11 Dec. 2009		Saturday 12 Dec. 2009	
	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs	09:30-12:30 hrs	14:00-17:00 hrs
	Arrival & Registration		Registration		Registration		Registration		Registration		Registration		Registration		Registration	
Room / Main Hall					Start of NC Displays		NC Displays		NC Displays		NC Displays		NC Displays		NC Displays	
THEME Knowledge									Opening Ceremony of 5 th ARC		5 th ARC		5 th ARC		5 th ARC	
Basin			ENV		HIST		DROUGHT		PR & P		CD		JOUR		IEC	
System			TRUE-SC		IPTRID-SC		ABAL		CONG		MIS		WATS		DRG	
On-Farm							ASRWG		AFWRG		ERWG		AMRWG		PCSPWA	
RWGs			TF-WWF 5		TF-LDCs		TF-Poverty		TF-Finance		Mtg NCS - VPs		OBC			
Task Forces																
PFC / Side Meetings	MT-JOUR 14:00-16:00 hrs SC 16:00-18:00 hrs MB 18:00-20:00 hrs		Mtg NCS - VPs 17:00-18:00 hrs		ST-LCB 17:00-18:00 hrs		PFC		Mtg NCS - VPs 17:00-19:00 hrs		OBC 17:00-19:00 hrs					
Reception			Reception								Welcome Reception				Farewell Dinner	
	E x h i b i t i o n															
	Departure for Study Tours															

International Executive Council (IEC)
 5th Asian Regional Conference (ARC)
 Side Meetings
 Task Forces
 RWGs
 PCTA Workbodies
 Workshops



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INCID

**The 60th International Executive Council Meeting and
5th Asian Regional Conference of International Commission on Irrigation and Drainage
6-11 December, 2009 New Delhi, India**

Please fill the form and keep a photocopy of this form for your records. Please ensure that the information filled by you is correct and send this form by fax or E-mail to the Conference Secretariat at Fax No.: +91-11-2611 6347; +91-11-2610 7086 / E-mail: sunil@cbip.org; cbip@cbip.org; arc5delhi@gmail.com. Registration is also available at the official website www.incid2009.delhi.org and the online registration is recommended.

REGISTRATION FORM

DELEGATE:

Title : [] Mr [] Ms. [] Dr. [] Prof. [] Others (Please specify)
 First Name : _____ Last Name _____
 Position : _____
 Organization : _____
 Address : _____
 City : _____ State _____ Country _____ Zip _____
 Tel : _____ Fax: _____
 E-mail : _____ Web: _____

ACCOMPANYING PERSON(s): Prof/Dr./Mr./Ms.

1. Last name _____ First name _____
 2. Last name _____ First name _____

PASSPORT DETAILS (only for foreign delegates)

Name	Passport No.	Date of Issue	Valid till date	Place of Issue	Nationality
1.					
2.					
3.					

ARRIVAL/ DEPARTURE FLIGHT DETAILS

Arrival Date ____/____/____ Time _____ Flight No. _____ From City _____
 Departure Date ____/____/____ Time _____ Flight No. _____ To City _____

REGISTRATION FEE

Categories	India / SAARC Countries	Non-SAARC Countries
Delegate/Authors	INR 8,000	USD 700
Young Professionals	INR 4,000	USD 350
Accompanying Persons	INR 4,000	USD 250

Please tick the appropriate boxes below:

- [] We intend to present a paper at the Asian Regional Conference, Abstract of my paper is enclosed. In my view the paper can appropriately be discussed under sub-theme
- [] We would like to attend the Asian Regional Conference.
- [] We would like to participate as Sponsor.
- [] We would like to participate in Exhibition.

Date: _____

Signature: _____





5th ARC 2009

INCID SECRETARIAT

Member Secretary

**Indian National Committee on
Irrigation and Drainage (INCID)**

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CONFERENCE SECRETARIAT

Secretary

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