

Aravali Darpan



A pursuit of knowledge & Information

Inside the Magazine

- Station Highlights
- CSR Initiatives
- Safety
- Reward and Accolades
- Visitor's diary
- Technology Adoption
- Ladies' Club Activities
- Celebrations
- Know Your Colleague
- Creative Corner
- Kids' Corner
- New Joinings/Farewells



IGSTPS-A Homely Niche for Aves



** For Internal Circulation Only*



MESSAGE FROM CEO

Heartiest congratulations to the Editorial team for launching 1st issue of ***E-Aravali Darpan*** i.e. E magazine of APCPL. I share my pleasure at this occasion & feel confident that over a period of time this publication can be developed into a forum wherein variety of information like APCPL achievements, community services, technical developments & innovations and commercial aspects etc. will be available for readers on periodical basis.

The power sector is in a transformative phase where power utilities need to generate environment friendly power through flexible operation. APCPL has invested in adoption of advance systems & technologies to provide affordable and clean power to our customers. I take this opportunity to complement the team APCPL for these efforts.

Sharing of best practices and innovations using e-platform, publications all across power sector tends to enhance knowledge, skill and provide opportunities for individual to explore & exhibit recreation potential. With this objective in mind it has been decided to publish the E-magazine on quarterly basis.

My best wishes for this knowledge dissemination endeavor by APCPL. I urge all stakeholders & readers to contribute on continuous basis to make ***E-Aravali Darpan*** most desired publication. I also urge readers to send valuable feedback and suggestions so as to improve the impact factor and viewership. I am optimistic that the intellectual prowess of APCPL will lend renewed vigor to professional & cultural strength of its family.

Wishing all the best for the success of ***E-Aravali Darpan***.

M. V. R. Reddy

Station Highlights- मुख्य बिंदु

Performance 2020-21

Declared Capacity / AFC recovery(%)	98.51
Gross Generation (MU)	3654.707
Forced Outage (%, incl. Eq. Partial loading)	0.52
Ash Utilization(%)	223
Sp. Water Cons (lit./U)(withdrawal basis)	3.36

** All MOU Targets Achieved Successfully*

Station Highlights

- ◆ **APCPL credit rating** improved to “A+” for Long Term Loans & “A1+” for Short Term Loans.
- ◆ **APCPL paid dividend** of Rs 700 Crores to its promoters including Rs 500 Crore as interim dividend (highest since inception).
- ◆ **Maximum single Day generation** of 34.996 MU @ PLF 97.21% on 18.03.21 since inception.
- ◆ **Lowest Best Auxiliary power consumption** in a day 4.38% on 19.03.2021 (Gen 32.441 MU).
- ◆ **Unit-2 Overhauling**, NOx modification & FGD gate & damper installation completed from 08.11.2020 to 14.12.2020 (36.58 days). This is ever best OH duration till date.
- ◆ **PI server and Energy Management System (EMS)** commissioned.
- ◆ **FGD Unit-1, 2 & 3** all three Chimney shell casting completed. Gates & Dampers installation completed in Unit 1 & 2.
- ◆ **ClO₂ system** Civil erection work in progress to replace chlorine dosing system.



NEW LOAN AGREEMENT WITH AXIS AND ICICI BANK

APCPL has signed two loan agreements of Rs.1500 crore with ICICI Bank and Rs.1492.39 crore with Axis Bank on 13.01.2021 at interest rate of 6.75%. APCPL will repay existing term loan of Power Finance Corporation and as a result of this there will be substantial savings during the balance tenure of 6.5 years.

Sh. M.V.R. Reddy, CEO(APCPL) and Sh. Sanjay Bharadwaj, CFO(APCPL) executed the documents on behalf of APCPL in presence of Sh. A. K. Gautam, Director (Finance), NTPC Ltd and Sh. Ratnesh, Director (APCPL)/ GM (Finance), NTPC Ltd.

- ◆ **ERP-SAP** implemented in Feb 2021.
- ◆ AI based Contact less E-Attendance system for Employees & Contract Labour.
- ◆ APCPL recertified for IMS (QMS, EMS and OHSAS). Upgraded to ISO 45001 from OHSAS 18001.
- ◆ Strict Adherence to COVID-19

APCPL-CSR-साझेदारी विकास की



EYE CHECK-UP CAMP

An eye checkup camp was organised on 19.02.2021 at Safety Training Hall APCPL Jhajjar for total of 89 no's contractual staff - drivers/operators of jeeps, hydras, cranes, fork lifts, pay loader & loco pilot. The camp was inaugurated by CEO(APCPL). GM(O&M) & GM (FM) were also present on the occasion.

DIVYANG KALYAN



A Distribution Camp of Assistive Devices was held for Divyangjan of Rohtak District on 21.01.2021 by APCPL, CSR Team. CEO(APCPL) inaugurated it.



KABADDI MATCH

A two days sports tournament (9-10 Feb'21) organised by Gorla Gram Panchayat and Baba Nathunath Yuva Club of Gorla through APCPL CSR support during which local youth from nearby villages participated in various athletics events and Kabaddi tournament.

Safety- सबकी भागीदारी सबकी ज़िम्मेवारी

First Aid Training



Safety department has arranged 'First Aid training' to Employees & contract workers on 15.01.2021 for 68 Persons including contract workers to handle the people in certain medical emergency conditions like chemical exposure, injuries and animal bite.



A demonstrative training on **Cardiopulmonary resuscitation (CPR)** was conducted at APCPL on 15.01.2021 by **Dr Chandar Singla**, Director Training Safety Beam Services. During this training mock drills were performed by executives and workers for dealing with incidences of cardiac arrest.

Awards & Accolades- सम्मान, हमारा प्रोत्साहन

APCPL'S COMMITMENT TOWARDS SAFETY



New Feathers in the Cap

- ◆ APCPL was declared winner for outstanding achievements in safety excellence in industrial sector by Green Tech Foundation.
- ◆ APCPL bagged Gold in Industrial Safety award 2020 in power Plant category during 8th Global Safety Summit .
- ◆ APCPL has been declared Gold Award winner under Apex India Occupational Health & safety award 2020 in Thermal Power sector by Apex India foundation.
- ◆ In financial year 2020-21, **51.1 safe million man-hours** achieved without any reportable/loss time injury.
- ◆ Unit 2 Overhauling completed **without any first aid /loss time injury.**

VISITOR'S DIARY- हमारे मार्गदर्शक

VISIT OF SHRI KAMLESH KUMAR SINGH, RED (Hydro & DBF)

Sh. Kamlesh Kumar Singh, RED (HYDRO & DBF) visited IGSTPP, Jhajjar on 08th-09th January 2021. He visited FGD area and had a review meeting on various activities under progress at APCPL. In his keynote address to HODs he emphasized on agility and mobility being the key parameters to success in today's business scenario. A short documentary on Unit#2 Overhauling was screened to highlight the steps taken during overhauling to address the risk of COVID-19.

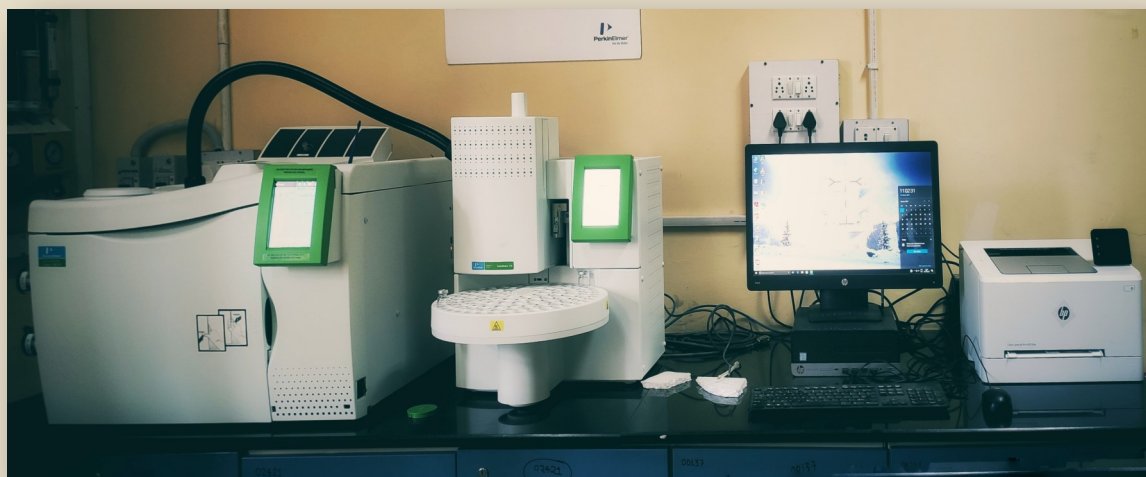


Technology Advancement- उत्कृष्टता की ओर

State of Art Equipment-DGA at APCPL

Condition monitoring of transformer is a critical and exigency task to lift up the performance and enhance the life of transformer. The dissolved gas analysis (DGA) of transformers can provide an insight view related to **thermal and electrical** stresses during operations of oil immersed power transformers. DGA is accustomed to detect elementary faults in the transformer. The two stresses could break down insulation materials and release gaseous decomposition products. Each of these types of faults produces certain gases that are generally combustible. The total of all combustible gases (TCG) with increases of gas generating rates may indicate the existence of any one or a combination of thermal, electrical or corona faults. The ratios of certain key gas concentrations are indicative to fault types. Evaluation procedures for DGA have been implemented widely based upon the guidelines recommended by IEC, IEEE] and CIGRE.

APCPL has recently acquired a state of art Dissolve gas Analyser (Perkin Elmer make) with total automatize features. It is capable to extract and analyse all dissolved gases in transformer oil as per ASTM D3612 Method C using Flame Ionization Detector (Auto ignitable) with High capacity Methanizer & Thermal Conductivity Detector. It has integrated Headspace sampler capable of keeping 110 samples and capable for two way operation PC to Headspace.



Dissolved Gas Analyzer with Head Space Sampler installed in Special Testing Lab, Chemistry

"Sakhi" Ladies Club- महिला सहभागिता



Thanks Giving to ICH

A thanks giving party was organized by Sakhi Ladies's club to thank our major support system i.e. the ICH Workers on 14.01.2021. Smt. M. Padmavathi, President - Sakhi Club felicitated the staff of ICH.

Smt. Asha Singh visited Sakhi Club

Smt. Asha Singh w/o RED (Hydro & DBF) visited Sakhi club on 9th January 2021. Blankets, Masks and food packets were distributed to domestic helpers, at this occasion.



Games for Bal Bhawan Kids

One day outdoor games event was organized for Bal Bhawan Kids on 17th Feb' 2021. The participation by the tiny tots was overwhelming.

Sahaj-Yoga

A "Sahajyoj Dhyam" camp for self realization and development was organized by Sakhi Club for GEM children on 06.02.2021.



CELEBRATIONS- खास लम्हे

72ND REPUBLIC DAY CELEBRATED AT APCPL

The 72nd Republic Day was celebrated at APCPL/IGSTPP, Sports Stadium. Sh. M.V.R. Reddy, CEO, APCPL hoisted the National Flag & received the Guard of Honour. CEO in his address, showered his best wishes to the Employees/ residents and their family members. While addressing, he highlighted the achievements of APCPL/IGSTPP. The deserving employees were bestowed with CEO Meritorious Awards.





FLOWER SHOW AT APCPL

Horticulture Department organized a flower show full of vivid colors and soothing aroma on 13 Feb. 2021. The officials and residents of APCPL participated with great enthusiasm. The theme of the show was "Haryanavi Rural". The beautiful selfie frames designed by the organizing team made it a centre of attraction for all.



Know Your Colleague- व्यक्तित्व परिचय



DEEPAK SHARMA- ASST. MANAGER (CHEMISTRY)

Deepak Sharma- holds a Masters in Organic Chemistry and was involved in Research in Nano Material Synthesis as CSIR -Research Fellow prior to joining NTPC as Assistant Chemist in 2011. He has published his research paper on synthesis of nanoparticles in international journal of good impact. He has been looking after Main Plant Chemistry related activities, CPU and RO plant. He is also In-charge of Advanced Instrumentation Laboratory and have a good hand in chemical analyses.

Apart from his technical expertise, Deepak has keen interest in Travel Photography, Adventure Riding and Literature. He has explored major adventure circuits across some of the toughest terrains through high altitude mountain passes and lakes in Indian Himalayas on his motorcycle. Worth mentioning are Khardung La(17582ft) & Chang La((17590ft)- Laddakh, Gurudongmar Lake- Sikkim(16909ft), Chandratat Lake(14100ft) & Kunzum Top(14931ft)- Lahaul & Spiti, Sela Pass- Arunachal Pradesh(13700ft) and Rohtang La(13051ft)- Himachal Pradesh. He shares his travel stories on his blog [Lonely Musafir](#) . His articles on Himalayan rides and his walk through tribal india have been applauded by readers from all round the globe. His travel photography have been much appreciated and has won many accolades to his blog.

ASHAAR- is a literary platform where Deepak recites urdu poetry by some of the legendary shayars from across the globe. He writes **Poems** containing expressions of various human emotions. One of his poem recently got published in **NTPC Rajbhasha Magazine-Vidyut Swar**.

With his diverse field of inclinations, he has been involved in many creative projects at IGSTPS. During COVID-19 crisis he filmed the preventive measure being taken at IGSTPS and compiled a documentary. He also prepared documentaries on CSR by IGSTPS Hospital and Unit#2 Overhauling under COVID regime. He has been an active member of various participative fora at plant level. The Team "Harbingers" led by him has won Plant level Professional Circle meet and stood runner's up at regional level.

CREATIVE CORNER—सृजनशील पक्ष

२०२१- उम्मीदों का साल

त्राहिमाम-त्राहिमाम करते २०२० का चक्र गया थम,
सबके नयना करके नम, छोड़ गया इतना गम।

टेढ़ी इसकी चाल थी, दुनिया भई बेहाल थी,
घुमक्कड़ मतवालों को दिखलाती वो काल थी।

कुदरत की भी शायद ऐसी ही चाहत थी,
मानवता भी मानवता से हो चुकी आहात थी।

इतने पर भी गर हम आज सबक ले लें,
प्रकृति और अपनों की भावनाओं से न खेलें।

दूसरों का अस्तित्व मिटाने में न समय गवाएं,
युगों से स्थापित नियमों का गर पालन करते जाएं।

फिर २०२० सा मंज़र कभी दोहराया नहीं जायेगा,
२०२१ वर्ष दुनिया का पथ प्रदर्शक बन जायेगा।

अब BLM, Me-Too का भी हम सम्मान करें,
सब रंगों से बनती ये धरा, ऐसा ध्यान धरें।

आओ मिल परमात्मा से यही करें आह्वान,
२०२१ में सभी रहे सुरक्षित सबका हो कल्याण।

-डॉ आर के शर्मा

अपर महाप्रबंधक (रसायन)

कोशिश

देखो ये कैसी सबकी हंसी है
हँसना भी जैसे इक बेबसी है

सपनों की पाँखर जलती चिता पर
खिलने से पहले टूटी कली है

पानी है खारा आहों सा ठंडा
अशकों की बहती जैसे नदी है

खूनी वो आंधी उजड़े घरोंदे
नफरत ही बसती हर एक गली है

ईमां अपाहिज होकर घिसटता
कलयुग की जबसे ठोकर लगी है

खुद को बचाना है नाकाम कोशिश
फिर भी ये कोशिश हमने करी है

-वंदना हांडा

w/o श्री राजेश हांडा



SHOW YOUR CREATIVITY

Creative corner is dedicated to all the readers who are involved in creative writings. We motivate readers to submit their original work and we will give your art a platform.

Kid's Corner- बाल दर्पण



Sneha Singh, Class VI, BBPS JHARLI



Anishka Dubey, Class III, BBPS JHARLI



Unnati Soni, Class VIII, BBPS JHARLI



Ritesh, Class X, BBPS JHARLI

Beautiful Art work by Children from BBPS, APCPL, Jharli.

माँ

मेरी मम्मी का प्यार ,बहुत बड़ा प्यार
जो सोने चांदी से कम नहीं ,मेरी मम्मी
का प्यार

चोट मुझे लगती तो ,दर्द उन्हें होता
रोती मैं तो आंसू ,उनके निकलते
जो प्यार वह देती, जान से भी ज्यादा
कीमती

बहुत प्यारा - प्यार, मेरी मम्मी का प्यार
-राधिका (कक्षा ३) पुत्री जापान सिंह

जैवविविधता

क से कबूतर नहीं, कोयल को भी बचाना
जैव विविधता को अपने,बच्चों को भी
दिखाना

संतुलन ही जीवन का सार ,बच्चों को यह
बतलाना

जितनी होगी जैव विविधता में वृद्धि
उतनी होगी हमारी उन्नति

- अद्विक(कक्षा ५) पुत्र निशीथ साचन

JOININGS / FAREWELLS- आने-जाने की बात



Shri. Sanjay Kumar Jaiswal, joined IGSTPP as Engineers-EMD from BRBCL Nabinagar on 02.02.2021. He joined NTPC on 01.12.1992 and has also worked at Unchahar.



Dr. Rahul Meghwal, joined IGSTPP as GDMO. He joined NTPC on 11.03.2021. He has worked as RMO Max Healthcare.



Shri. Satish Kumar Chhabra, ES (C&M) superannuated on 31st March 2021 after successfully completing 36 years of efficient service with NTPC. He Joined NTPC as W4 on 20.11.1985.

EDITORIAL TEAM

Chief Patron- Sh. M. V. R. Reddy (CEO-APCPL)

Edited by- Dr. R. K. Sharma- AGM-Chemistry

Designed by- Sh. Deepak Sharma- Asst. Manager- Chemistry

Well supported by:-

Smt. Sugata Dasgupta- DGM-HR

Sh. Rishipal- DGM-IT

Sh. Amit Hooda- Manager-EEMG

Sh. Naveen Yadav- Manager-Civil

वेद / पुराण / उपनिषद् से

सर्वे भवन्तु सुखिनः सर्वे सन्तु निरामया,

सर्वे भद्राणि पश्यन्तु मा कश्चिद् दुःखं भागभवेत्।

Please send your feedback and suggestions at inhousejournal@apcpl.co.in. Active participation from all readers is solicited.