

OPGC Updates

I N F O R M A T I O N A N D N E W S

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Our Vision

A world-class power utility committed to generate clean, safe and reliable power, enhancing value for all stakeholders and contributing to national growth



Our Mission

- To attain the global best practices by adopting, innovating and deploying cutting-edge solutions.
- To achieve excellence in reliability, safety and quality of power by creating a culture of empowerment and high performance.
- To be a responsible corporate citizen having concern for the environment, society, employees and people at large



Our Values

- Put Safety First
- Honour our Commitments
- Act with Integrity
- Strive for Excellence
- Have Organisational Pride
- Foster Teamwork

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- ❖ EHS Highlights ❖ O & M Updates (OPGC-I & II) ❖ Corporate Social Responsibility
- ❖ HR Corner ❖ Potpourri

EHS HIGHLIGHTS

» Safety Statistics



- ♦ 1098 LTI free days achieved till 31.03.22.
- ♦ 284 numbers of safety walks were performed during the Jan' 22 to Mar' 22.
- ♦ Three nos. of monthly Apex Safety Committee meetings conducted through virtual mode due to **COVID-19**.

OTHER EHS HIGHLIGHTS

- ♦ 03days of Safety familiarization induction training programme conducted for the Newly joined site operators.
- ♦ Deputy Director of Factories & Boilers, Sambalpur visited both the plant's chlorine area on 09.02.22 to review the safety measures have taken for hazardous material storage & handling.

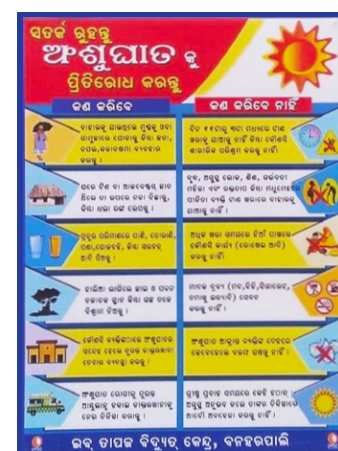


- ♦ Training of use of SCBA set imparted to emergency command structure team. Total 15 nos. of different command structure team participated.



- ♦ Two batches of training imparted on "Conveyor Safety" to partners of CHP & main plants.
- ♦ Pictorial awareness poster

on "Sun Stroke" displayed at different locations of the plant.



- ♦ Community awareness program conducted at Baragad village on Chlorine gas- Toxic gas release and also leaflet of the same distributed.

OPGC CELEBRATES 51ST NATIONAL SAFETY WEEK



OPGC organised an array of awareness events to celebrate the 51st National Safety Week, which started on 4th March and culminated on 10th March in the premises of IB Thermal Power Station. The theme for this year's National Safety Week was "Nurture the young minds, Develop Safety culture".

The week-long events started from 4th March morning with pinning of safety badge on the uniform for all employees of OPGC including contractor employees and workers. Director (Operations) Sri Manas Ranjan Rout unfurled the National Safety Day flag inside the plant premises in the presence of

employees and contractor workers. This was followed by Safety Oath by employees and contract workers.



chief guest emphasized on developing a safety culture in the organisation to achieve zero incident. He also appealed the contractor partners & employees to follow safety regulations procedures while at work. Plant Manager-OPGC-1 Sri Sudhakar Swain and Plant Manager-OPGC-2 Sri Sukanta Mohapatra also spoke on this occasion. A skit was presented by contractor workers on the importance of reporting near misses which was appreciated by the Chief Guest.

The closing ceremony was held on 10th March afternoon in premises of IB Thermal Power Station where Asst. Director (Factories & Boilers) of Jharsuguda Zone Mr. Manoj Kumar Mishra attended the event



Several activities were done in this week-long campaign of National Safety Week which include Chlorine safety awareness & leaflet distribution program at the nearby village (Baragada) as a community safety awareness initiative, Safety Quiz for Employees, Fire Mock Drill, safety exhibition, drawing competitions in different categories, safety slogan competitions and an array of competitions related to safety awareness among the employees, contractors and IB Thermal residents.



as the Chief Guest. The events at the closing function started with an exhibition set up by different departments showcasing innovative safety tools & PPE's. Head-EHS Sri A.S.Rao gave the welcome address followed by deliberations by the Chief Guest Mr. Mishra. In his address, the





Departmental “best safety initiative competition” was conducted on the eve of national Safety week, the following departments were rewarded with trophies in the closing ceremony :



Winners of all competitions were rewarded by the dignitaries present in the closing ceremony, including the Chief Guest. Sri Sarat Chandra Nayak (Sr. Manager-Safety) & Sri Jatindra Kumar Sahu (Sr. Manager-Safety) the event. Sri Parthasarathi Panda gave the customary vote of thanks.

Winners in various events organised during safety week programs were recognized through Prizes, Certificates & Trophies.



1st position: **Facility Management**

2nd Position: **Control & Instrumentation (C&I)**

3rd Position: **Electrical Maintenance–Main Plant**

List of the Event winners on the eve of 51st National Safety Week Celebration-2022

» OPGC-1

SAFETY SLOGAN (Contractors)



1st

Anita Kullu
(M/s Sagar Panda)



2nd

Antaryami Guru
(M/s Sai Engineering)



3rd

Rajesh Kumar Sa
(M/s Divakar)

SAFETY SLOGAN (Employees)



1st

Mr. Sarbatosh Das,
(Operation, Gr-IV)



2nd

Mr. Piyush Pradhan,
(Engg. & Efficiency)



3rd

Mr. Debasish Patnaik,
(HR & Admin)

CONTRACTOR QUIZ (Contractor Employees)



1st

Mr. Antaryami Guru,
(M/s Sai Engg, CHP)



2nd

Mr. Hemanta Sa,
(M/s Maruti Associates)



3rd

Mr. Raki Pradhan,
(M/s Divakar Engg.)

CONTRACTOR QUIZ (Supervisor & above)



1st

Mr. Khirod Chandra Pandey,
(M/s Divakar Engg.)



2nd

Mr. Mukesh Mahananda
(M/s Unique Power, C & I)



3rd

Mr. Ashok Ku. Tripathy
(M/s Chembond, WTP)

Group Safety Quiz (Employees)



1st

Mr. Amulya Ku. Mallick,
Mr. Nishant Singh &
Mr. Dipti Mohapatra
(Facility Mgt)



2nd

Mr. Rudra Narayan Das,
Mr. Sarbatosh Das &
Mr. Pradyumna Sahu
(EM, Operation & MM)



3rd

Mr. Pradeep Panda,
Mr. K.C. Rout &
Mr. Subrat Lumar Mishra
(WTP)

Safety Talks- Elocution (Employee)



1st

Mr. Rudra Narayan Das,
(EM)



2nd

Mr. Piyush Pradhan,
(Engg. & Efficiency)



3rd

Mr. Subrat Mishra, WTP and
Mr. Akshaya Hati

Departmental Best Safety Initiative Competition-2021



1st

Facility Management



2nd

Control & Instrumentation
(C & I)



3rd

Electrical Maintenance-Main
Plant

Best Safety conscious Contractor



M/s Maruti Associates
(Main Plant-EM)



1.

Asis Kumar Behera
(M/s Sai Engg-CHP)



2.

Ghorinder Nath Kumar
(M/s FAST-Ash Pond)

Safety Champion of the year (Employee Category)



Mr. Manoj Dongre,
(C & I)

Safety Champion of the year (Contractor Category)



Mr. Raju Rana
(M/s Taranisen Behera-Civil)

Safe Outage engineer of the year



Mr. Shashank Tripathi,
(MM)

Best Safety compliances Initiative



Mr. Saroj Sahu,
(Plant Civil)

Best Stop Work for the year



Mr. Sarbatosh Das,
(Operation, Gr-IV)

Best Incident Reporting



Mr. Santosh Pattnaik,
(Operation, Gr-I)

Winners in drawing Competition for children : (Already prize distributed on the spot)

Senior Category :

(Topic- Fire Prevention)

1st : Pragyashree Bal, Class-IX

2nd : Sawan Kumar Padhan,
Class-IX

3rd : Divya Divyanshi, Class- IX

Consolation Prize:

Dhruti Bharadwaj, Class-IX &
Bignesh Raj Sahu, Class-IX

Junior Category :

(Topic-Prevention of Sun Stroke)

1st : Sai Sakshi Sahu, Class-V

2nd : Aditya Dhanraj Sahu,
Class-V,

3rd : Sulagna Choudhury,
Class-V

Consolation Prize:

Sagun Siman Bal, Class-VII, and
Smitarani Pradhan, Class-VI

Sub-Junior Category :

(Topic- Home Safety)

1st : Aradhya Mohanty, Class-III,

2nd : Taanish Ku. Nayak, Class-III

3rd : Shreejit Mishra, Class-III,

Consolation Prize:

Bidusmita Sa, Class-I, & K
Kautilya, Class-UKG



O & M UPDATES

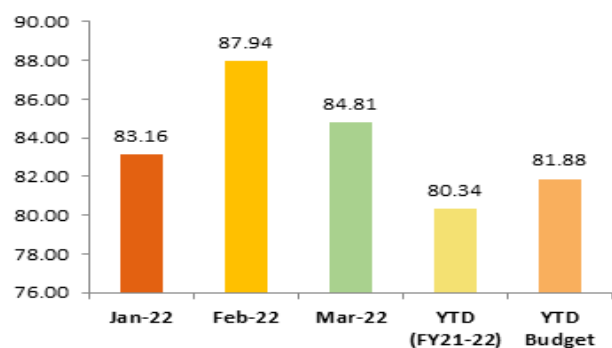
OPGC-I (2X210 MW) Highlights-Jan' 22 to March' 22



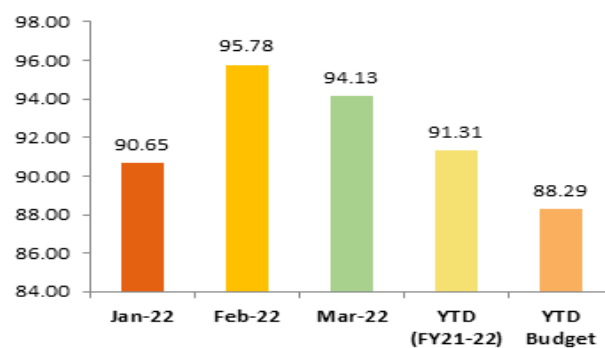
Performance details :

Performance Parameter	Jan-22	Feb-22	Mar-22	YTD (FY21-22)	YTD Budget
Total Gross Generation (Mus)	259.853	248.211	265.027	2955.802	3012.378
Total Net Generation (Mus)	229.679	220.672	235.427	2609.109	2698.677
Plant Availability Factor (%)	90.65	95.78	94.13	91.31	88.29
PLF (%)	83.16	87.94	84.81	80.34	81.88
Aux Power (%)	11.00	10.69	11.02	11.26	10.41
Sp. Coal Cons. (kg/kwh)	0.841	0.832	0.832	0.878	0.849
Sp. Oil cons. (ml/kwh)	0.415	0.512	0.351	0.402	0.664
Sp. DM Water cons. (%)	1.115	1.013	1.273	1.18	0.85
Number of outages	1	1	3	16	24

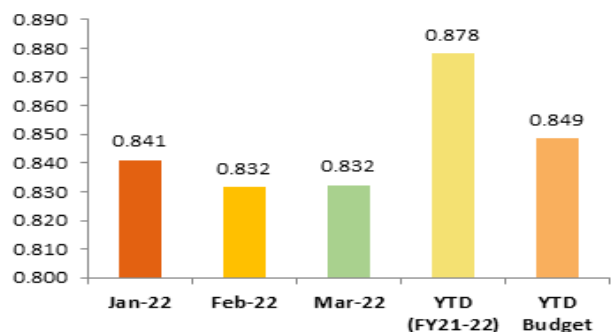
PLF (%)



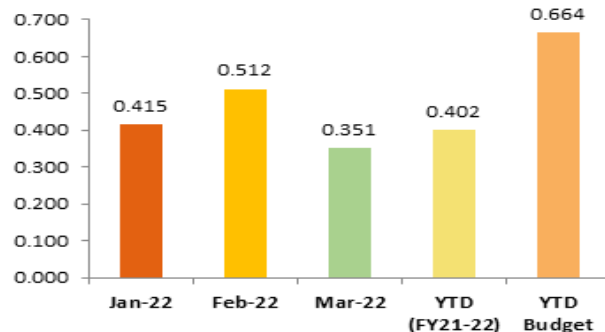
Plant Availability Factor (%)



Sp. Coal Cons. (kg/kwh)



Sp. Oil cons. (ml/kwh)



O&M Overview Jan' 22 to March' 22

› Jan'22

- On 3rd Jan'22 at 16:31 hrs Unit-2 Tripped on very high Furnace pressure followed by Boiler tube leakage. Unit was lighted up at 21:46 hrs. of 8th Jan'22 & synchronized with Grid at 04:41 hrs. of 9th Jan'22.

› Feb'22

- On 16th Feb-22 at 23:55 hrs. Unit-2 was hand tripped for Boiler Tube leakage. Unit was lighted up at 19:14 hrs. of 18th Feb'22 & synchronized with Grid at 00:18 hrs. of 19th Feb'22.

› March'22

Two forced Outages in Unit-1

- On 27th March'22 Unit-1 Tripped at 15:37 hrs. on Generator protection (DC short circuit excitation ch-1 & ch-2 operated). Unit lighted up at 17:46 hrs. & synchronized with Grid at 21:03 hrs.
- On 28th March'22 Unit-1 has hand tripped at 14:30 hrs. due to Boiler Tube Leakage (Economizer). Unit was lighted up at 05:14 hrs of 31st March'22 & synchronized with Grid at 11:32 hrs.

One forced Outage in Unit-2

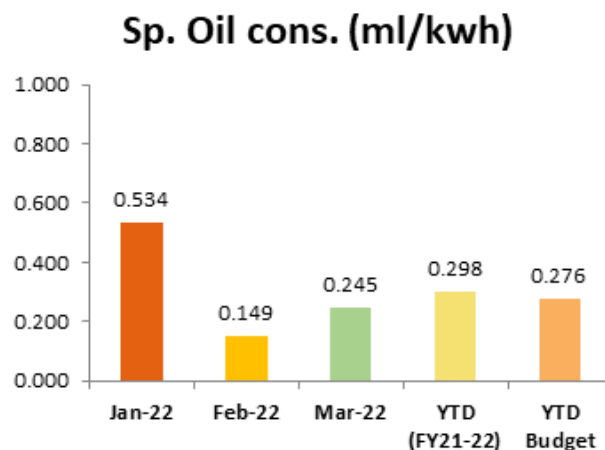
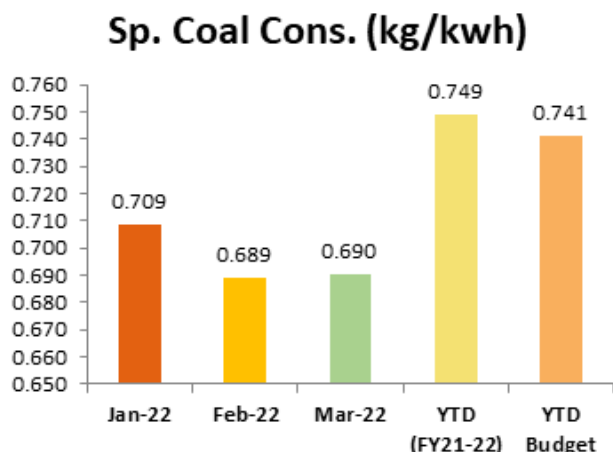
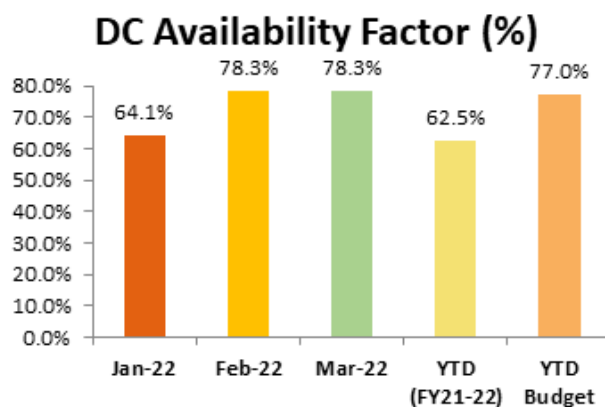
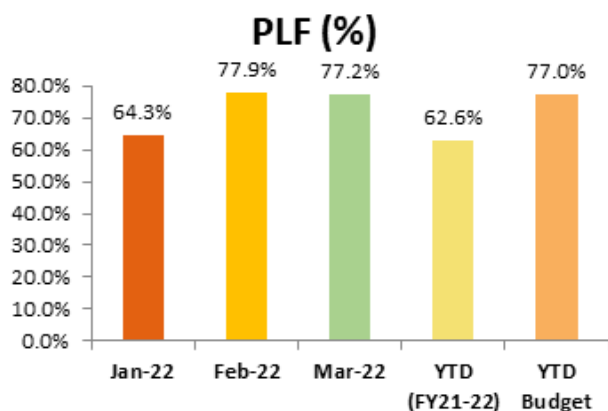
- On 1st March'22 Unit-2 Tripped at 01:17 hrs. on Generator protection (Raw water 2B Breaker/bus fault). Unit was lighted up at 02:34 hrs. & synchronized with Grid at 06:14 hrs.

OPGC-II (2X660 MW) Highlights for Jan' 22 to March' 22



Performance details :

Performance Parameter	Jan-22	Feb-22	Mar-22	YTD (FY21-22)	YTD Budget
Total Gross Generation (Mus)	631.262	690.786	757.814	7236.554	8909.142
Total Net Generation (Mus)	590.856	651.702	716.0859	7149.065	8343.644
DC Availability Factor (%)	64.1%	78.3%	78.3%	62.5%	77.0%
PLF (%)	64.3%	77.9%	77.2%	62.6%	77.0%
Aux Power (%)	6.40%	5.66%	5.51%	6.41%	6.35%
Sp. Coal Cons. (kg/kwh)	0.709	0.689	0.690	0.749	0.741
Sp. Oil cons. (ml/kwh)	0.534	0.149	0.245	0.298	0.276
Number of outages	4	2	4	28	24



HIGHLIGHTS

› Jan'22:

- Unit-3 was in continuous operation throughout the month.
- 2 nos of forced SD for BTL in Unit#4 with total outage hour 134.78hrs.
- Unit4 tripped on Generator protection upon DC Seal oil pump running more than 30 mins. (Outage hour 1.57hrs).
- Unit4 was taken forced SD due to heavy steam leakage from RHS MS warm up drain line (MSV 111). (Outage hr 58.7hrs).

› Feb'22:

- Achieved Highest ever Station Monthly PLF (77.88%) since COD of both units.
- Unit-4 was in continuous operation throughout the month.
- One forced SD for BTL in Unit#3 with total outage hour 83.23hrs.
- Unit3 Tripped on Gen Unit protection upon Tripping of UT-3A Transformer PRV Limit switch malfunction(Outage hr 4.52hrs).

› Mar'22

- Achieved Highest ever Monthly PLF of 90.9% for Unit3.
- Power sale in RTM started for the first time on dt 13.03.2022.
- Highest ever monthly power sale of 91.7MU in STOA with total receivable of 68.7cr.
- U#4 was taken into planned Shut Down at 01:20hrs on 26.03.2022 for Annual Overhauling.

CORPORATE SOCIAL RESPONSIBILITY

» Drinking water supply to Tilia village through tanker

Considering the acute shortage of drinking water due to depletion of ground water table in Tilia gram panchayat, OPGC continued the supply of safe drinking water through tanker to water-scarce villages such as Tilia, Nuapada, Kantatikira & Phatapali from January till March 2022. One tractor tanker was deployed for this purpose which did three trips per day to supply a total of 15000 liters of safe drinking water directly to the above mentioned villages. This is in continuation of water supply to the above said villages that started since July 2021. Thus

these water-scarce villages are provided with potable water

supply for the whole year of 2021-22 through tanker.



» Preparatory meeting on Summer season drinking water supply

On the invitation of Project Director, DRDA CSR representatives of OPGC participated in a preparatory meeting held on 24.02.2022 regarding drinking water supply to water-scarce villages of Lakhanpur block through

tankers during summer season of 2022. The meeting was organised at the conference hall of Block office, Lakhanpur where CSR representatives of many industries participated. CSR representatives of OPGC presented the detailed plan of

summer season drinking water supply through tankers from April to end of June and the action taken so far, which was well appreciated by the Project Director, DRDA.

HR CORNER

» Farewell

Four of our colleagues retired from the services of the company on during the quarter of January to March 2022 on attaining the age of superannuation.

January 2022



Sri Umesh Chandra Bhoi being given farewell

Sri Umesh Chandra Bhoi reached the age of superannuation on 31/01/2022. Sri Bhoi joined regular service of OPGC on 21.08.1990 and completed more than 31 long years in service. He held the position of Sr. Operator Gr.II and was posted in Operation department at ITPS at the time of his superannuation.

January 2022

Sri Makardhaj Sa reached the age of superannuation on 31/01/2022. Sri Sa joined regular service of OPGC on 11.07.1990 and completed 31 years in service. He held the designation of Head Helper Gr.II in the Facility Management Department at the time of his superannuation.



Sri Makardhaj Sa being given farewell

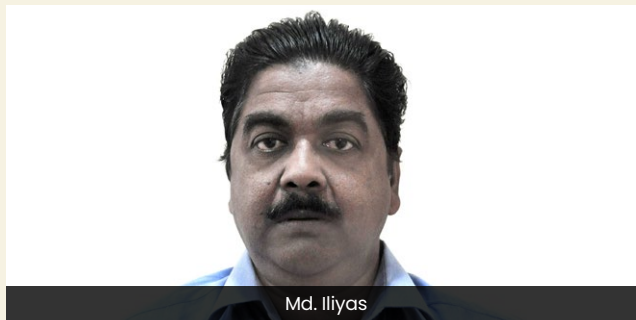
February 2022

Sk. Hayat Tulla reached the age of superannuation on 28/02/2022. He joined regular service of OPGC on 21.09.1989 and worked for more than 33 years. He held the designation Asst.Manager in the Contract Cell department at the time of his superannuation.



Sk. Hayat Tulla being given farewell

March 2022



Md. Iliyas

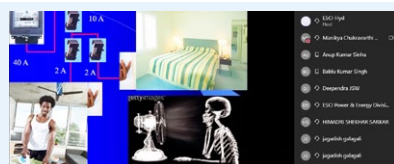
Md. Iliyas reached the age of superannuation on 31/03/2022. He joined regular service of OPGC on 01/03/1990 and completed 31 years in service. He held the designation of Sr. Asst. Manager (Finance) and posted at ITPS at the time of his superannuation.

Following social distancing guidelines in the wake of COVID-19, retired employees were given a simple farewell separately by their respective departments in the presence of minimal staff from HR Dept.. All members of OPGC family have wished the retired colleagues good health and a happy post retirement life.

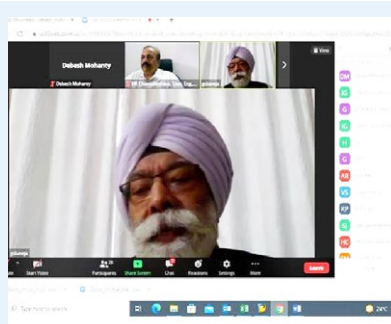
TRAINING UPDATES OF QUARTER (JANUARY – MARCH 2022)

An in-house EHS training on General Work place Safety was conducted on 1st January 2022. Twelve (12) contractors' personnel from various department attended the session. Mr.Sarat Nayak, Sr.Manager (Safety), EHS Dept. was the resource person for the training.

A webinar on "Reliability enhancement of Industrial Pumps Adopting Cost - Effective Best Practices preventing Failures on Pumps with trouble shooting based Case studies." was organized by IBC, Mumbai on 31st Jan and 1st February 2022. Sri Shashank Tripathi, Dy. Manager (M/M), Sri Bhagmat Majhi, Sr.Asst.Manager (M/M) and Sri Pradyumna Sahoo, Sr.Asst.Manager (M/M) attended the sessions.



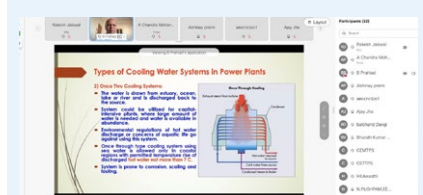
Webinar on "CEA Regulations 2010 Measures relating to Safety and Electric Supply Associated Maintenance and Safety Practices" was conducted from 15th to 18th February 2022. Sri Bablu Kumar Singh, Dy.Manager (Elec.) E/M, Sri Rudranarayan Das, Sr.Asst.Manager (Elec.) E/M, and Sri Nitya Kishor Kar, Sr.Asst.Manager (Safety), EHS attended the sessions. The resource person for the program was from ESCI, Hyderabad.



A webinar on Contract Management for End Users was conducted on 27th and 28th January 2022. Sri Satyabrata Behera, Sr.Manager (C&I), Sri Debesh Mohanty, Sr.Manager (Procurement), Sri Satyaprakash Tarai, Manager (Contracts), Sri Shiba Ku. Pati, Dy.Manager (Contracts), Sri Rabin Sahoo, STA and Sk.Hayatulla, Asst.Manager (Contracts) attended the sessions. The training was organised by ICW Group, Mumbai.



An in-house EHS training on "Air pollution/conversion factors/standards and sources of Air Pollution at ITPS and its mitigation measures was conducted on 2nd and 25th February 2022. In total, 45 employees from various departments combined attended the training. The resource person was Mr.Parthasarathi Panda, Manager (Env.) of EHS Dept.



A webinar on "Super Critical and Sub Critical Boilers; Issues and Challenges of Cooling Water Chemistry in Power Plants and Process Industries" was organized by ESCI, Hyderabad from 18th to 21st January 2022. Sri Rakesh Jaiswal, Dy.Manager (WTP) and Sri Ajay Jha, Asst. Manager (Chemist), WTP attended this four days' session.



An awareness session on Filaria disease was organised on 4th February 2022. The session was conducted by Dr. Baikuntha Nath Kashyap, Medical Incharge, Lakhampur Block. 25 employees from various department attended the session.

An in-house EHS training on Conveyor Belt Safety was conducted on 26th and 28th February 2022. There were 21 contractors' personnel in total from Mechanical Maintenance and CHP departments who attended the session. Sri Sarat Nayak, Sr.Manager (Safety), EHS Dept was the resource person for the training.



An in-house EHS awareness session on “OPGC EHS Policy and Procedure” was conducted on 25th March 2022. There were eight (8) new outsourced employees from various departments who attended the session. Sri Sarat Nayak, Sr.Manager (Safety) of EHS Dept. was the resource person for the program.



Certification course on First-Aid was conducted from 8th to 11th March 2022. The training was conducted in two batches wherein overall 57 employees attended. The resource person was Dr. L.N.Sahu from NSCI, Rourkela.



An in-house EHS training on “Safe operation of mobile equipment & blind spot” was conducted on 23rd March 2022. Eighteen (18) contractors’ personnel from various departments attended the session. Sri Nitya Kishor Kar, Sr.Asst. Manager (Safety) of EHS Dept. was the resource person for the training.

A webinar on “Automation Control & Instrumentation – Operation & Maintenance” was conducted on 16th and 17th February 2022. Sri Manoj Dongare, Sr.Asst.Manager (C&I), Sri G Mohan, Sr.Asst. Manager (C&I), Sri Pramod Kumar Mishra, Sr.Asst. Manager (C&I), Sri Pratap Kumar Samantray, Asst. Mngr (C&I), Sri Dilip Kumar, Dy.Manager (C&I), Sri Subhadeep Das, Dy.Manager (C&I), Sri Anurag Jain, Dy.Manager (C&I) and Sri Gunjan Singh, Sr.Asst.Mngr (C&I) participated in this webinar.

An in-house EHS training on “Safety culture at workplace and supervisors’ role” was conducted on 8th March 2022. Twenty nine (29) contractor’s personnel from various departments attended the session. Sri Sarat Nayak, Sr.Manager (Safety) of EHS Dept. was the resource person for the training.

An in-house EHS training on safe wearing of SCBA set and its use was conducted on 7th March 2022. Sixteen (16) employees of various departments attended the session. The resource person was from Sri Pradeep Panda, Dy.Manager (WTP).



POTPOURRI

» Maha Shivaratri Celebrations at ITPS Mandir Complex

Devotees from in and around IB Thermal Power Station thronged in large number at Shiva Temple complex inside IB Thermal Power Station Campus to celebrate Mahashivaratri in religious fervour. Arrangements were made by OPGC management for smooth functioning of the event.



» OPGC's Fly Ash supply to cement industry reaches 100th rake today



With the despatch of fly ash loaded rake to Dalmia Cement Ltd., Rajgangpur, on 15th March, 2022, OPGC completed a century in the rake count of its fly ash supply to different cement industries in the Country.

To commemorate this significant milestone, Director (Operations) Manas Ranjan Rout flagged off the 100th rake



from the MGR workshop after a customary puja, in presence of senior OPGC officials. The journey started with the despatch of the first rake of fly ash to Star Cement Plant of Assam on 11th of May last year. Since then, OPGC has been regularly supplying fly ash to cement plants located in different parts of the Country and State. On an average about 10 to 12 rakes are being despatched to cement plants per month which translates into ash utilization of more than 40,000 tonnes per month, increasing OPGC's fly ash utilization by 20%. Some of the major plants which have received fly ash from OPGC are plants of ACC Cement located at Bargarh, Sindri, Bokaro, plants of Ambuja Cement located at Farakka, Sankrail, and plants of Dalmia Cement located at Rajgangpur, Bokaro, Medinapore, Kapilas Road (Odisha) etc.

OPGC Celebrates 73rd Republic Day

OPGC celebrated 73rd Republic Day at all locations including IB Thermal Power Station with nationalistic fervor. Director (Operations) Sri Manas Ranjan Rout hoisted the national flag at the celebrations held at Rajiv Gandhi Ground of IB Thermal Power Station. The



event was held in the presence of limited people, with all social distancing measures in place, following the guidelines in view of the Covid pandemic. National flag was also hoisted at other locations such as ITPS plant premises, IB Club, IB Thermal Club.

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