## Hyderabad

# INCOIS deploys two more deep sea gliders in Bay of Bengal

The state-of-the-art gliders to study climate change are equipped with sensors to track temperature, salinity, chlorophyll, dissolved oxygen and photosynthetic active radiation, in sea water, among other features

V. Geetanath HYDERABAD

he Indian National Centre for Ocean Information Services (INCOIS), under the Ministry of Earth Sciences (MoES), has just launched two fresh modern deep sea 'Slocum' gliders in the Bay of Bengal, one programmed towards the north and other towards the south to study the physical and biogeochemical parameters of the sea and get an insight into the climate change

The state-of-the-art gliders are equipped with sensors to track temperature, salinity, chlorophyll, dissolved oxygen, PAR (photosynthetic active radiation) in sea water, among others. The gliders have been deployed from the Ocean Research Vehicle 'Sagar Manjusha' of the National Institute of Ocean Technology (NIOT) off the Chennai coast outside of the EEZ - exclusive economic zone boundary.

Senior scientists E. Pat-



**Underwater:** The two fresh modern deep sea 'Slocum' gliders launched by INCOIS.

tabhi Rama Rao and A. Aneesh Lotliker informed that these gliders can go underwater up to a depth of about 1,000 metres and will surface four to five times a day, continuously giving data for the satellite to pick up and relay the same to the newly established 'National Glider Operations Facility' at IN-COIS here at Pragatinagar,

The best part of these

gliders which run on lithium-ion battery is they come with an extended battery life of nine months and more to cover both the north and south transect of Bay of Bengal. We can easily monitor and manoeuvre their functions and get real time data as well as updates about the battery life. They can travel upto 15 km a day, they explained.

While the project comes under the 'Deep Ocean Mission' of the Ministry, it is not for the first time that the institute has deployed gliders to scour around the sea. Two years ago, in the maiden effort, two gliders were deployed as a trial

"They moved around the sea for up to 2.5 months. We retrieved the glider and successfully recovered the more exhaustive stored data. It is currently being assessed

run in the Bay of Bengal.

here," said scientist S. Shivaprasad. INCOIS has about four gliders, two of them undergoing 'ballasting', and is planning to source six new ones for deployment in the other parts of the Indian Ocean.

In 'ballasting' the gliders recovered from the sea are retrofitted suitably for the waters in which they are to be deployed like salinity and others. For instance, the gliders used in the Bay in Bengal will be of a different yardstick as the sea freshwater from rivers of Ganga and Brahmaputra pouring in, whereas in the Arabian Sea, such freshwater inlet is not much, the scientist added.

"Oceans play a key role in regulating the earth's climate by uptake and redistribution of anthropogenic heat and carbon dioxide. Data from ocean gliders together with other in situ and satellite observing platforms will play a key role in enhancing our understanding of the oceanclimate nexus," said director T. Srinivasa Kumar.

### SCR gets new Principal Chief Commercial Manager

The Hindu Bureau

SCR's Chief Administrative Officer, Systems, K. Raveen Kumar Reddy, on Wednesday, assumed charge as Principal Chief Commer-

cial Manager (PCCM). He belongs to Indian Railway Traffic Service 1988 batch. During his tenure as CAO, Systems, he was instrumental in creating 100% Disaster Recovery tier III centre for all passenger,

Deputy Chief Signal & Telecom

Engineer (Projects) S.C. Railway

(Open) for the following work upt

1. Tender No.: C/SG/C/36/5/382

Description of work: Comprehensive

Signaling and Telecommunicatio

Signaling System in Guntakal

Vemulapadu section of Guntaka

Division in South Central Railway

Approximate value : (₹

68.92.74.168.87 Earnest Money

Deposit : (₹) 34,46,400.00 Period of

New Items Added additional to the

. Documents Description : Revised

ABS Scheme for GTL, GY File Name

ABS Scheme GTL-GY Revision I.pdf

Documents Description

Clarification of Bidders Query File

3. Documents Description : Revised

GTL VML Feasibility Report File

lame: Feasibility Report GTL VML

4. Documents Description: Revise

GTL VML RFP Document File Name

Please visit Indian Government tende

Portal Website www.ireps.gov.in for al particulars including Full Description o

the work, tender conditions, eligibility

criteria and details, downloading

tender document of the above works.

Dy. Chief Signal & Telecom Enginee

Chief Project Manager, Gati Shakti

Hyderabad Division, South Central

Railway, Secunderabad invites Open

Tender No. 01-GS-HYB-23-OT

Name of the work: Gati Shakti

Hyderabad Division - Secunderabad

Dhone Section - Proposed

construction of Road Over Bridge

Bridge No.54A) as 1 x36.0m span (c/c

of bearings) Composite steel I-Girde

at km:17/600-700 in lieu of existin

nanned Level Crossing No.7 (Spl

Class) between Falaknuma and

vay. **Approx Value : (₹)** 116747126.51

For further details visit the websit

Chief Electrical Engineer

Secunderabad invites e-tender on

behalf of the President of India for the

ollowing works in single packet

. NIT No.: Tender No. 10-2022-2023-

-GS-CN-BZA Name of the work

Electrical Construction/BZA: Guntu

Division - Construction of New BG line

etween Nadikudi - Srikalahasti

ations - Shifting/Modifications to

xisting power line crossings of 35

Nos. tentatively (5 Nos. of 33 kV, 26

Nos. of 11 kV HT, 4 Nos. LT & 2 Nos.

DTR's) at various locations betwee

Gundlakamma - Kanigiri section

Estimate Cost: (₹) 2,54,85,083.34/-

EMD : (₹) 2.77.400/- Tende

Document Cost : (₹) Nil Completion

period: 12 (Twelve) months Date of closing: 27.04.2023 at 15.00 hrs.

For bid document and other details

olease login to website

2. Payment of Earnest money Deposit

should be only through Net Banking/

payment gateway facilities made

3. Tenderer can submit their offers

online during tender submission period

which is fifteen days period to closing

4. Tenderer should watch for any

Corrigenda (issued online only) upto

the date of commencement of the

**Executive Electrical Engineer/** 

Const/Vijayawada

nours of 28.04.2023

EMD :(₹) 733700/-

system of tendering.

Name: Clarification 2nd Pre Bid pdf

completion: 660Davs

Rev14042023 pdf

GTL VMLRFP Rev1.pdf

xisting Tender Document

orks for Provision of Automatic Block

15:00 Hrs on 27-04-2023

freight, rolling stock, coaching, track maintenance, HR Management Systems, MIS & ERP systems on Indian Railways. Earlier, he worked as Divisional Railway Manager, Kharagpur division.

### SSC paper leak: Postal Circle tightens security

The Hindu Bureau

Unfortunately, on April on Wednesday.

mental investigation is going on and the official concerned has suspended, the Telangana Postal Circle has tightened the security system and reiterated that the instructions for handling SSC answer script bundles from the stage of booking till delivery to the concerned camp offices with a departmental escort at every stage have been given.

cials at all levels aware.

Control rooms have been set up at Circle, Regional and Divisional levels and the same are functioning 24x7 for proper monitoring and maintenance. Operations Control Centre at the Circle level is also monitoring the activity.



Telangana Postal Circle is handling the booking, transmission and delivery of SSC examination answer script bundles, with utmost care for three decades.

3, one parcel (bag) carrying the answer scripts of SSC exam of the same date was found missing while being transported from Utnoor sub-post office to Utnoor bus stand, for onward transmission, said the department in a release here

Stating that a depart-

Also, proper vehicles for transportation of answer scripts have been arranged. Daily reviews or physical meetings are being conducted to make offi-



### KTR invited to Ideas for India meet in UK

The Hindu Bureau HYDERABAD

Information Technology and Industries Minister K.T. Rama Rao has been invited to speak at the "Ideas for India" conference to be held in London in May.

This is the second edition of the conference and will be conducted on May 11-12. The event is part of the inaugural India Week to be held across United Kingdom. Over 800 people are expected to attend cluding business, media and political leaders, the Minister's office said in a statement on Wednesday.

Global advisory firm EPG said Mr. Rao's presence would add significant value to the dialogue. The economic and strategy consulting firm has also extended an invitation to him to attend the dinner at the House of Commons, hosted by MP (Labour) Seema Malhotra and the black-tie celebration dinner with a UK Cabinet Minister as keynote speaker.

### Timings **HYDERABAD**

THURSDAY, APR. 06 RISE 06:07 SET 18:30

RISE 18:45 SET 06:09 FRIDAY, APR. 07 RISE 06:06 RISE 19:39 SET 06:44

SATURDAY, APR. 08 RISE 06:06 SET 18:30 RISE 20:34 SET 07:23

Hyderabad Weather max min Sangareddy

Warangal Hyderabad City **Hyderabad City Today** 

37°C Morning will be comfortable. Day will be very warm and uneasy. Chances of light rain or thundershower at

### **Hyderabad City Tomorrow** 36°C Morning will be comfortable. Day will be very warm and uneasy .Night will

be comfortable. Spell of rain and thundershower to occur © Copyright Skymet Weather 2023 All rights reserved.

## THEMAHINDU

## Talk in the rain



Sudden showers after a spell of humidity provided much-needed relief to the people of Hyderabad on Wednesday. NAGARA GOPAL

## Woman with rapid heart rhythm successfully treated at KIMS

### The Hindu Bureau HYDERABAD

A 36-year-old woman from

Maharashtra, who was suffering from recurrent episodes of loss of consciousness suggestive of cardiac arrest, was implanted an implantable cardioverter defibrillator (ICD), which saved her life, at KIMS.

The patient came to the hospital in March, with repeated shocks for ventricular fibrillation (rapid heart rhythm leading to cardiac arrest). She would experience 30 shocks in a single day. She was given four types of intravenous medications and put on ventilator. Despite these measures, shocks continued, though with less frequency. Then, senior cardiologist and director, Division of Pacing & Electrophysiology, Dr. B. Hygriv Rao, and his team, designed a special strategy.

Initially, neural ganglia, which supplies nerves to the heart, was destroyed by radiofrequency ablation- a novel technique performed by Dr. Nagalaxmi, an anaesthetist.

This helped to a certain extent as the runs of ventricular fibrillation were very less and short. However, the extra beats which were triggering these persisted. Dr. Nagalaxmi said that they had experienced using this technique successfully in five patients previously, who had serious heart rhythms.

But this patient was very young and had a normally functioning heart. After a two-hour long procedure, there were no runs of fibrillation, and also no extra beats, doctors said.

The patient was extubated, and the next day she was able to walk on her own. She was discharged the next day and came for a follow-up in two weeks.

## Rich tributes paid to Babu Jagjivan Ram

The Hindu Bureau HYDERABAD

Rich tributes were paid to former Deputy Prime Minister Babu Jagjivan Ram on his birth anniversary on

Wednesday. Speaker Pocharam Srinivas Reddy said that Jagjivan Ram is an inspiration for generations to come and fought against untouchability right from his childhood. He was in politics in various positions for over 50 years, Mr. Srinivas Reddy said in Banswada, and promised to set up a bronze statue of the late leader with his own money. He also laid the foundation stone for the former deputy PM's statue near the Tahsildar office.

PR and Rural Development Minister E. Dayakar Rao offered floral tributes to Jagjivan Ram at Palakurthi and said that Telangana government has been following the footsteps of the late leader and according top priority to Dalits by implementing schemes.

Sports and Tourism Minister V. Srinivas Goud said that despite being a new State, Telangana has been addressing issues faced by Dalits on a priority basis.

### e - TENDER NOTICE Tenders are invited in IREPS by the undersigned for the following works.

1. Open e-Tender Notice No. & Date: lt.03.04.2023 Tender No.: B/E.29-FRD-TNDR-01-23-24 Description of Work: Vijayawada Division: Additions and alterations to OHE in connection with Provision of Escalators, FOBs and Platform extension under Amrith Sharath Station Scheme (ABSS) Vijayawada division. (SKM, OGL, CLX BPP, TEL, EE, RYP, BVRT, NDD, APT, SLO, YLM, AKP, TUNI & CCT). Completion period: 12 Month Approx. Value: (₹) 2,11,79,592/- Bide Security (EMD) : (₹) 2,55,900/- Cost of Tender form : (₹) Nil Date o **closing**: 28.04.2023 at 15.00 Hrs.

. Open e-Tender Notice No. & Date tt.03.04.2023 Tender No.: B/E.29 FRD-TNDR-02-23-24 Description o Nork: BZA Division: Additions and erations to OHE in connection wit Proposal for Provision of coach atering arrangements between UF oop line and Bi-directional line at RYF Station Completion period: Months **Approx. Value: (**₹ ,87,08,506/- Bide Security (EMD) ₹) 2,43,600/- Cost of Tender form (₹ lil Date of closing: 28.04.2023 Sr.Divisional Electrical Engineer/

TrD/Vijayawada

through https://www.ireps.gov.in\_fror the Indian nationals above the age of

Catalogue No.: GTL-SLR-2324-A Category: Leasing of SLRs Location in catalogue: 33 Trains 75 SLRs Date of Auction: 24.04.202 Auction Start time: 10:00

user manual downloaded through the learning centre (User manuals) lin available in-the left navigation bar o participate. And for furthe clarifications, bidders may approach office of Senior Divisional Commercia Manager, South Central Railway

Sr. Divisional Commercial Manager Guntaka

E-Tenders@www.ireps.gov.in www.gem.gov.in

S. No: 1. NED/E-GEM-01/2023-24 ame of the work: Nanded Division Electrical Department - Outsourcing of comprehensive maintenance o Electrical Assets at DRM Office Complex, Railway Hospital, IOH shed Substation including staff quarters fo a period of 547 days. Approximate cost .: (₹) 1, 12, 02,471/- Bid Security : (₹) 2, 06,010/- Validity of offer : 90 days Period of completion :18 Months Available at www.gem.gov.in, under Nande Division Electrical Department Date and time of closing: 18.00 Hrs of 25.04.2023

S. No: 2. NED/E-GS-01/2023-24 Name of the work: Improvemen upgradation of Electrical Amenities a Adilabad, Kinwat, Himayath Nagar, Bid Security : (₹) 2,66,500/- Validity Dy.Chief Engineer /Gati Shakti/ of offer: 60 days Period of Hyderabad completion: 9 Months Available at www. ireps.gov.in. under Nande Division Gatishakthi Admin Date and time of closing: 15.00 Hrs of

25.04.2023.

S. No: 3. NED/E-GS-02/2023-24 Name of the work : Improvemen upgradation of Electrical Amenities a Parbhani, Purna, Gangakhed, Hingol Washim Manwath Boad station (ABSS). Approximate cost .: (₹ 2,37,39,322/- Bid Security : (₹ 2,68,700/- Validity of offer: 60 days Period of completion: 9 Month Available at: www.ireps.gov.in, unde Nanded Division Gatishakthi Admir Date and time of closing: 15.00 Hr of 25.04.2023.

S. No: 4. NED/E-GS-03/2023-24 Name of the work: Improvement upgradation of Electrical Amenities a Nagarsol, Rotegaon, Selu, Partu tations under Amrit Bharat Station Scheme (ABSS). Approximate cost (₹) 1.14.82.646/-Bid Security : (₹ 2,07,400/- Validity of offer: 60 days Period of completion: 9 Month Available at : www. ireps.gov.in. unde Nanded Division Gatishakthi Admir Date and time of closing: 15.00 Hr

of 25.04.2023. S. No: 5. NED/E-GS-04/2023-24 Name of the work : Construction New CAMTECH design Pit Line of 16 ICF Coaches at Aurangabad Statio Yard of Nanded Division - Electrica Arrangements Approximate cost (₹) 2,65,19,443/- Bid Security : (₹ 2,82,600/- Validity of offer: 60 days Period of completion: 9 Month Available at : www. ireps.gov.in, unde Nanded Division Gatishakthi Admir Date and time of closing: 15.00 Hr

of 26.04.2023.

S. No: 6. NED/E-01/2023-24 lame of the work: Maintenanc Contract of Air Conditioning Systems Split type Air Conditioners, Wate Coolers of various capacities and different makes at various Stations/Locations over Nande Division for a period of two years Bid Security : (₹) 35,200/- Validity o offer: 60 days Period of completio :24 Months Available at :www reps.gov.in, under Nanded Divisio lectrical Department Date and time of closing: 15.00 Hrs of 26.04.2023

or Tender document, details ligibility criteria, special condition etc. go to our web site as mentione above. It is advised to check if there i any corrigendum published online before submission of offer.

Divisional Railway Manager (Elec A0477

For further tender conditions / details and for downloading the tender documents, Please visit website at www.scr.indianrailways.gov.ir

The Hindu Bureau HYDERABAD

Palle Srujana, an NGO working with grassroots innovators, will organise a two-day conference on 'Grassroots innovations and lifestyle' in Hybrid mode in Hyderabad on April 7 and 8. About 100 people will participate offline and others online. The meet will focus on

Conference on grassroots innovations

grassroots innovations that has changed our lifestyle. According to founder president of Palle Srujana, Brigadier P. Ganesham, the meet will be useful for a fair understanding of grassroots creativity and its applicability for enhancing lifestyle, realising the es-

sentiality of appropriate innovations and significance of traditional practices combined with grassroots creativity for a better life. Ambassador Vijay Nam-

biar (online), P.S. Goel, Chairman, NIF (online), Gajanan Donge, president, YOJAK, Debapirya Datta, adviser, Department of S&T, will speak.

# ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking) Regd. Office: Janpath, Bhubaneswar-751022 CIN:U40102OR2004SGC007553

TENDER ALERT 1)E-Tender Notice No.CGM(Tel)-01/2022-23: Bids are

invited from reputed EPC/Turnkey contractors for Supply, Erection, Testing and commissioning of equipment for data and speech communication betweer NINL and SLDC, Bhubaneswar through OPGW on Turnkey Contract Basis at an estimated cost of Rs.1,30,19,613/-. Complete set of bidding documents are available

on:www.tenderwizard.com/OPTCL portal and OPTCL's official website: www.optcl.co.in. HIPR-01/2023-24