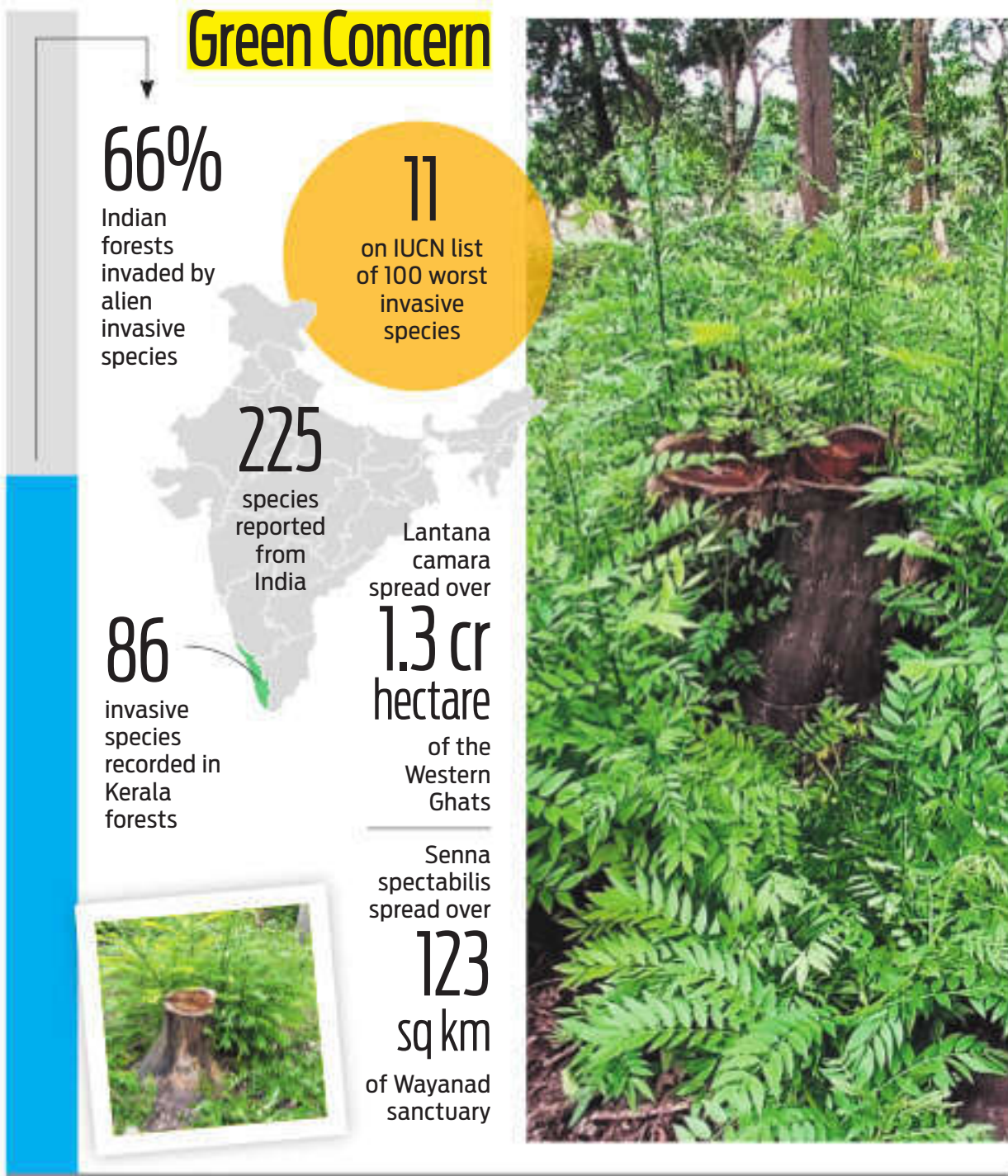


Kerala government has launched an eco restoration policy to eradicate invasive species

ALIEN INVASION ALTERING FOREST HABITAT, FUELLING MAN-WILDLIFE CONFLICT



MANOJ VISWANATHAN @ Kochi

A S massive tree plantation drive marked the World Environment Day aiming to reduce carbon footprints and address the challenges of climate change, the decline in the ecological health of existing forests has largely been neglected.

According to a study published in 2023, around 66% of Indian forests have been invaded by alien invasive species, destroying natural vegetation and altering forest habitat. Out of the 225 invasive plant species reported from India, 11 are on the list of the 100 worst invasive species categorised by the International Union for Conservation of Nature (IUCN).

Lantana camara, one of the worst invasive species in the world, has been spreading wild in India's forests. As per reports, the plant has spread rapidly over 1.3 crore hectare of the Western Ghats destroying grasslands and driving herbivores to human habitations. In the Nilgiris Biosphere, Senna spectabilis has proliferated. The species, introduced by Kerala forest department in 1986 as shade trees along the Muthanga forest road, has spread over 123 sq km area of the Wayanad sanctuary in four decades. It is now spreading fast in the reserve forests of Bandipur, Bhadra and Mudumalai.

Scientists have identified 225 species of exotic invasive plant species destroying habitat in India, of which 86 have been recorded in the forests of Kerala. The most invasive are Alternanthera philoxeroides, Cassia uniflora, Chromolaena odorata, Eichhornia crassipes, Lantana camara, Senna spectabilis, Parthenium hysterophorus and Prosopis juliflora. "Invasive plants outcompete native species for resources such as light, water, and nutrients, leading to a decline in native plant populations. These species alter fire regimes, nutrient cycling, and hydrology, disrupting the delicate balance of the ecosystem. The spread of such species can lead to a decline in native



Invasive plants like Senna can form dense stands, shading out native vegetation and altering habitat structure, making it unsuitable for native wildlife. It reduces the availability of food sources for native wildlife, forcing them to seek alternative sources. These plants can also disrupt wildlife corridors, making it difficult for animals to move through the landscape

—Dr T K Hrideek, principal scientist, Kerala Forest Research Institute

plant and animal species, reducing biodiversity and ecosystem resilience," says Kerala Forest Research Institute principal scientist Dr T K Hrideek, who was involved in the Senna eradication drive for more than 10 years.

"Invasive species is a cancer that kills forest ecosystems. It is not possible to eradicate such species and the only way is to contain its spread. When I started research on Senna, along with Dr T V Sajeev, it was limited to around five sq km. Now it has spread to around 40% of Wayanad forests. We conducted around 200 experiments and finalised a three-tier system which are physical, biological and chemical. As per the plan, saplings can be uprooted. In case of big plants, it will regenerate from the spot where the lateral roots are broken," he said.

Physical eradication involves debarking the tree, while in the chemical method a weedicide like glyphosate is injected into the bark. For biological eradication, an insect called island pinhole borer is used.

"Invasive plants like Senna can form dense stands, shading out native vegetation and altering habitat structure, making it unsuitable for native wildlife. It reduces the availability of food sources for native wild-

life, forcing them to seek alternative sources. These plants can also disrupt wildlife corridors, making it difficult for animals to move through the landscape. When invasive plants reduce the availability of food sources in natural habitats, wild animals may be forced to enter human habitations in search of food. As wild animals enter human habitations in search of food, the risk of human-wildlife conflicts increases," explained Hrideek.

Another invasive species found in Mannavanshola, Pambadumshola, Eravikulam National Park is Acacia mearnsii, popularly known as black wattle. It is a fast growing, evergreen, nitrogen fixing tree introduced to Kerala in 1980s for afforesting grasslands in the high altitudes. Its cultivation is for extraction of tannin from its bark. Its trees produce a large amount of long-lived seeds which are triggered to germinate en masse by fire.

Understanding the role of forest degradation in rising human-wildlife conflict, the Kerala forest department has launched an eco restoration policy which aims to eradicate invasive species and convert forest plantations into natural forest.

The ecological health of existing forests has deteriorated due to various reasons. As part of efforts to facilitate rapid industrialisation, Kerala's natural forests were cleared for exotic monoculture plantations like Eucalyptus, Acacia, Mangium, Watle etc. There are around 27,000 hectare of exotic monoculture plantations and 90,000 hectare of teak in Kerala forests.

"The proliferation of invasive species has led to depletion of natural forests, forcing wild animals to stray into human habitations and farmlands for food and forage, thus compounding human-wildlife conflict. Studies have shown that invasive flora and fauna have caused serious damage to natural habitats and ecosystems. Eradicating such invasive species that harm the environment is of high priority," said a senior forest officer.

Climate change linked to higher cancer rates among women, says new study

ISSAC JAMES MANAYATH @ Chennai

CANCER is a leading cause of death among women. Worldwide, 4.4 million women succumbed to the disease in 2020, with approximately 25 per cent of these deaths attributed to breast cancer. In India, one in 29 women is likely to develop breast cancer during her lifetime, according to the International Agency for Research on Cancer (IARC). It is also the most common form of cancer among women in the country.

India ranks among the top three countries, alongside the U.S. and China, in terms of breast cancer incidence and recorded the highest number of deaths in 2022. IARC projections indicate that breast cancer cases in India are expected to rise significantly, from 1,92,020 in 2022 to over 5,00,000 by 2050. Cervical cancer, the second most common cancer among Indian women, also poses a significant threat to public health. The country, home to about 17 pc of the world's population, accounts for nearly 20 pc of global cervical cancer deaths.

While genetic predisposition and lifestyle factors are widely considered contributors to these cancers, climate change may be an overlooked factor.

A new study by researchers at the Institute of Global Health and Human Ecology (IGHHE), American University in Cairo, has found a higher risk of cancer in women with prolonged exposure to high ambient temperatures.

SOUTH CENTRAL RAILWAY
Follow us on @SCRailways
Details of the Tender Notices of S.C. Railway can be seen on our website - www.scr.indianrailways.gov.in

E-Tender Notice No.21-2025 Dt:18/06/2025

Senior Divisional Engineer/Coordination / Guntakal acting for and on behalf of the President of India invites E-Tenders for the following works.

Closing date & Time: 15.07.2025 at 15:00 hrs

S.No.: 01 Tender No.: Engg-GTL-Central-1870 Description of work: Guntakal Division : : RU-GTL, GTL-WADI, BAY-GTL, KLU-GTL, NDL-DHNE-PDL-GTL, GY-PDL and NDL-YA Sections: Supply, Installation, Commissioning and Maintenance of Track Mounted Automatic Gauge Face Lubricators on curves-226 nos (Electronic type) by the agency (RDSO approved firm only) for 5 years in Sr.DEN/Central/GTL and DEN/North/GTL Jurisdictions. (113 nos in Sr.DEN/Central section and 113 Nos in DEN/North section)(Two Packet). Advertisd Value in (₹): 29,56,57,358.4 Earnest Money Deposit in (₹): 16,28,300.00

S.No.: 02 Tender No.: Engg-GTL-West-1871 Description of work: Guntakal Division: KPD-PAK-TPTY, DMM-PAK, DMM-KLU-GY, GDR-RU-TPTY, RU-GY and NDL-YA Sections: Supply, Installation, Commissioning and Maintenance of Track Mounted Automatic Gauge Face Lubricators on curves-242 nos (Electronic type) by the agency (RDSO approved firm only) for 5 years in Sr.DEN/South/GTL and DEN/West/GTL Jurisdictions. (71 nos in Sr.DEN/South section and 171 Nos in DEN/West section) (Two Packet). Advertisd Value in (₹): 31,65,88,852.8 Earnest Money Deposit in (₹): 17,33,000.00

Any corrigenda will be issued online only.

Divisional Railway Manager, Works, Guntakal

Tender No. M232-BTC-09- Dt 18-06-25

On behalf of the President of India, The Deputy Chief Mechanical Engineer/ RYPS, South Central Railway, Wagon Workshop, Guntupalli - 521 241 invites e-tender.

Tender No.: M232-BTC-09-Dt18-06-25 Description : "Provision of Infrastructure Facilities for Basic Training Centre" at Wagon Workshop, Guntupalli, South Central Railway, for a period of 06 months Tender Value (₹): 38,44,927.73 (Rupees Thirty-Eight Lakhs Forty-Four Thousand Nine Hundred Twenty-Seven and Paise Seventy Three Only). Earnest Money to be deposited (₹): 76,900.00 (Rupees Seventy-Six Thousand Nine Hundred Only). Period of Completion: 06 Months Cost of Tender document: Free of Cost Offer Validity: 60 Days from the date of opening Type of tender: Works Tender governed by IRGCC-2022 System of Tendering: Open Tender- Single Packet Time & Date of Bid closing: 15-00 Hrs. of Dt.11.07.2025 Tender document and Corrigendum: Visit website <http://www.irops.gov.in> Postal Address for correspondence: Chief Workshop Manager, Wagon Workshop, Guntupalli-521241

Dy. Chief Mechanical Engineer, WWS, Guntupalli

Tender No.N-SG-36-2025-26- DL-10 Dated: 18.06.2025

On Behalf of the President of India, Senior Divisional Signal & Telecom Engineer / Nanded division, South Central Railway, NANDED invites Open Tenders for the following works Through E-TENDERING up to 15.00 Hours of 11.07.2025

S.No.: 01 Tender No.: N-SG-36-2025-26-DL-10 Name of the work: Replacement of Overaged Datalogger and Failure analysis system over Nanded division. Approx value (₹): 4,66,64,029/- Bid Security deposit (₹): 3,83,300/- Period of completion: 06 Months Cost of Tender form (₹): NIL

The above said tender will be closed on 11.07.2025 at 15.00 Hrs.

Sr. Divisional Signal & Telecom Engineer, Nanded

Tender No.Y/SG/36-2025-26/10 & 11 Dated 19.06.2025

ON BEHALF OF THE PRESIDENT OF INDIA, SR.DIVISION SIGNAL & TELECOM ENGINEER, HYDERABAD DIVISION, SOUTH CENTRAL RAILWAY, SECUNDERABAD INVITES OPEN TENDERS FOR THE FOLLOWING WORKS THROUGH E-PROCUREMENT UP TO 11.30 HOURS OF 21.07.2025

S.No.: 01 Tender No.: Y/SG/36/2025-26/10 Name of the work: Annual Maintenance Contract of HBL make 48 integrated Power Supply (IPS) Systems over Hyderabad Division for a period of two years Approx value (₹): 15264000 EMD (₹): 226300

S.No.: 02 Tender No.: Y/SG/36/2025-26/11 Name of the work: Annual Maintenance Contract for 22 Major & 01 Mini integrated Power Supply (IPS) of Amara Raja make over Hyderabad Division for a period of two years Approx value (₹): 5118300 EMD (₹): 102400

Sr. Divisional Signal & Telecom Engineer, Hyderabad

TENDER NOTICE No.61 to 62, DRM_W_HYB_25 dt. 18/06/2025

On behalf of the President of India, Divisional Railway Manager/Works, Hyderabad Division, South Central Railway, Secunderabad invites Open Tenders for the following works through e-procurement up to 15.00 hours of 10/07/2025

Tender No.: 61_DRM_W_HYB_25 Name of the work: SC-MUE Section (DEN/North/HYB) - Construction of boundary wall using stone masonry overhead barbed wire fencing at various locations between MJF-MLY stations under the jurisdiction of ADEN/MED Approx Value (₹): 3,13,62,119 EMD (₹): 3,06,800

Tender No.: 62_DRM_W_HYB_25 Name of the work: Extension of spring shop shed by 17.50 X 16M at carriage workshop/LGD Approx Value (₹): 1,14,96,867 EMD (₹): 2,07,500

A0912 Sr. DEN/Co-ord/ Hyderabad

For further tender conditions / details and for downloading the tender documents, Please visit website at <https://www.irops.gov.in> or www.scr.indianrailways.gov.in



THE HUTTI GOLD MINES COMPANY LIMITED
(A Government of Karnataka Undertaking)

Hutti - 584 115, Raichur Dist., Karnataka State. Ph: (08537) 275463, 276339, Fax:(08537)275048, 275054 e-Mail: material276339@gmail.com website: www.huttigold.karnataka.gov.in

TENDER NOTIFICATION NO. 04/25-26 DT: 21.06.2025
(Through KPP Portal only)

Tender is invited by "The Senior Manager (Materials)" for the following Tenders as detailed

Sl.No.	Description	EMD in Rs.
1	Supply of Sag Mill Full Set Of Liners And One Additional Set of Modified Discharge End Liners Along With Necessary Hardwares. HGML/2024-25/IND0299	6,21,000/-
2	Procurement of 125 mm forged steel grinding media balls. HGML/2024-25/IND0314.	12,15,000/-
3	Procurement of 65 mm forged steel grinding media balls. HGML/2024-25/IND0313.	12,15,000/-
4	Supply of Tyre 12x24, Steel Radial Type for Underground LHDs. HGML/2024-25/IND0266/CALL-2	2,20,000/-
5	Procurement of 4 1/4 Short Head Cone Crusher. HGML/2024-25/IND0248	14,70,000/-

Calendar of events: (1) Pre-Bid Meetings (Zoom): 07.07.2025 for SI.No.1 at 10.30 A.M. SI.No. 2 & 3 at 11.00 AM, SI.No.4 at 11.30 AM and SI.No.5 at 12.00 PM. (2) Last date for receipt of tender: 22.07.2025 at 4.00 P.M (3) Opening of Technical Bid on: 24.07.2025 at 10.00 A.M.

For further details interested bidders are advised to log on to website <https://www.kppp.karnataka.gov.in> or contact the office of undersigned during working hours. For participating in the above tender bidder needs to be registered in KPP Portal.

Sd/-Senior Manager (Materials)

LEADING GOLD PRODUCER IN INDIA



E-Auction Sale Notice
(Under SARFAESI Act 2002)
Regional Office: Bank Street, Koti, Hyderabad, 500095. Cont:6304903704

APPENDIX- IV-A
[See proviso to rule 8 (6)]

Notice for Sale of Immovable Properties

E-Auction Sale Notice for sale of Immovable Assets under the Securitization and Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 read with provision to Rule 8 (6) of the Security Interest (Enforcement) Rules, 2002.

Notice is hereby given to the public in general and in particular to the borrower(s) and guarantor(s) that the below described immovable property mortgaged / charged to the CENTRAL BANK OF INDIA secured creditor, the Physical/Symbolic Possession of which have been taken by the authorized officer of Central Bank of India, Secured creditors, will be sold on "As is where is", "As is what is" and "whatever is there is" on date 17.07.2025 for recovery of due to the Central Bank of India from below mentioned Borrower(s) and Guarantor(s). The Reserve Price and earnest money deposit (EMD) for the property being auctioned is displayed against the details of respective properties:

Name of the Borrowers / Guarantors/Mortgagers and Contact Detail of Branch	Description of Immovable Properties/Type of possession	Authorized Officer name & Contact Number	Demand Notice Date & Due Amount	Reserve Price 10% EMD Bid Increase Amount
MR. KONERU SRINIVASULU (Branch: Mahaboonagar, Mr. Y Krishna Chaitanya, Branch Head, Contact No: (6304903784)	All that the portion of residential House bearing municipal no 5-231/A/A/1, of Undivided extant land admeasuring 150.00 Sq. Yard on Plot No 89 & Sy No 285/2/A & 285/2/A/A, Block No 5, Jachcherla Gram Panchayat, Mahaboonagar Dist,Telangana, 509301 in name of Mr. Koneru Srinivasulu Property is bounded by: •North: Plot No 88 •South: Plot No 90 •East: 30 Feet Wide Road •West: Plot No 117 (Physical Possession with the bank)	Upendra Kulkarni 6304903704	10-06-2024 Rs.45,58,979.39 + Interest+ Other Charges	Rs.53,21,700.00 Rs.5,32,170.00 Rs. 50,000.00
Mr Prashant Reddy Gurram (Applicant borrower) & Mrs. G Kalavathi (Co-applicant) (Branch: Golconda Fort, Mr. Amresh Kumar Branch Head, Contact: 6304903724	Entire 1st floor: H.No 4-39/2/25 part, Plot No 25 part, Sy No 139, "RLR" Avenue, Situated at Machabollaram Village, Alwal Mandal & GHMC Circle, Medchal-Malkajgiri District, Telangana, 500010 House is bounded by follows. North : Plot No 25 South : Plot No 25, Part East : Plot No 22 West : 30'-00" wide road (Physical Possession with the bank)	S M Shafiqullah 6304903723	01.12.2023 Rs.50,72,664.00 + Interest+ Other Charges	Rs.59,26,500.00 Rs.5,92,650.00 Rs.50,000.00

E-AUCTION DATE:17.07.2025 TIME:12.00PM TO 04.00 PM WITH AUTO EXTENTION OF TIME 10 MINUTE

The auction will be conducted through the Bank's approved service provider <https://baanet.com> (PSB Alliance Pvt. Ltd.). Bidder to register on e-Auction Platform <https://baanet.com> using his mobile number and email-id. As a part of e-KYC the documents will be verified by the system. The interested Bidders/Purchasers has to transfer the EMD amount using online mode (i.e. NEFT/Transfer/UPINet Banking) in his Global EMD Wallet well in advance before/during the auction time. Only after having sufficient EMD in his Wallet, the interested bidder will be able to bid on the date of e-auction. Bidder's Global Wallet should have sufficient balance (≥ EMD amount) at the time of bidding. For detailed terms and conditions please refer to the link provided in www.centralbankofindia.co.in Secured Creditor or auction platform <https://baanet.com> (PSB Alliance Pvt. Ltd.) Email: support.baanet@psballiance.com. The sale shall be subject to rules/conditions prescribed under Securitization and Reconstruction of Financial Asset and Enforcement of Security of Interest Act, 2002.

To the best of knowledge and information of the Authorized officer, there is no encumbrance on the properties. However, the intending bidders should make their own independent inquiries regarding the encumbrances, title of the properties put on Auction and claims/ rights/ dues/ affecting the property, prior to submitting their bid. The e-auction advertisement does not constitute and will not be deemed to constitute any commitment or any representation of the bank. The property is being sold with all the existing and future encumbrances whether known or unknown to the bank. The Authorized officer/Secured Creditor shall not be responsible in any way for any third party claims/rights/dues.

STATUTORY 30 DAYS SALE NOTICE UNDER RULE 8(6) & 6(2) OF THE SARFAESI ACT, 2002
balance dues if any will be recovered with interest and cost from borrower and guarantor. They are also invited to take part in the bid for sale of immovable secured assets towards realization of outstanding dues of secured creditor.

Date: 10-06-2025
Place: Hyderabad

Sd/-
Authorized Officer,
Central Bank of India

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GREATER HYDERABAD MUNICIPAL CORPORATION
SHORT TENDER NOTICE

NIT No.10/EEC-4/LBNR/GHMC/2025-26 Date: 19.06.2025

Name of the work: Maintenance works - 4 Nos. Estimate Amount: Rs.35.60 Lakhs. Download start date & time: 20.06.2025 at 03.00 PM. Last date & time for receipt of bids: 27.06.2025 at 03.00 PM. Name & Address Officer: Sri V.Karthik, Executive Engineer, LB Nagar Circle-4, GHMC, Mobile: 9701365519. Further details can be seen at e-procurement @ <https://tender.telangana.gov.in>

Sd/- Executive Engineer, L.B. Nagar Circle-4, GHMC

DIPR R.O. No.3869-PP/CL/Adv/1/2025-26, Dt: 20/06/2025

Tamil Nadu Power Generation Corporation Ltd
Notice Inviting Tenders (E-Tendering Process)

Specification No.	Tender Inviting Authority	Name of the work
4297 M	CE / TTPS	Design, Engineering, Supply, Erection, Testing and Commissioning works and Complete revamping of fire affected Units I & II of TTPS

For details of works / Procurement / Due date of submission / Opening, viewing and downloading of e-tenders, please visit websites: www.tnpsccl.org, www.tenders.tn.gov.in, www.tntenders.gov.in

DIPR/3170/Tender/2025

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