

तकनीकी पत्रिका विषय-सूची

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(A Monthly Current Awareness Service from Technical Journals)

Vol.3 No.10, October, 2019

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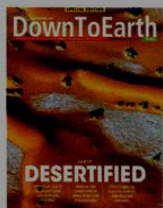
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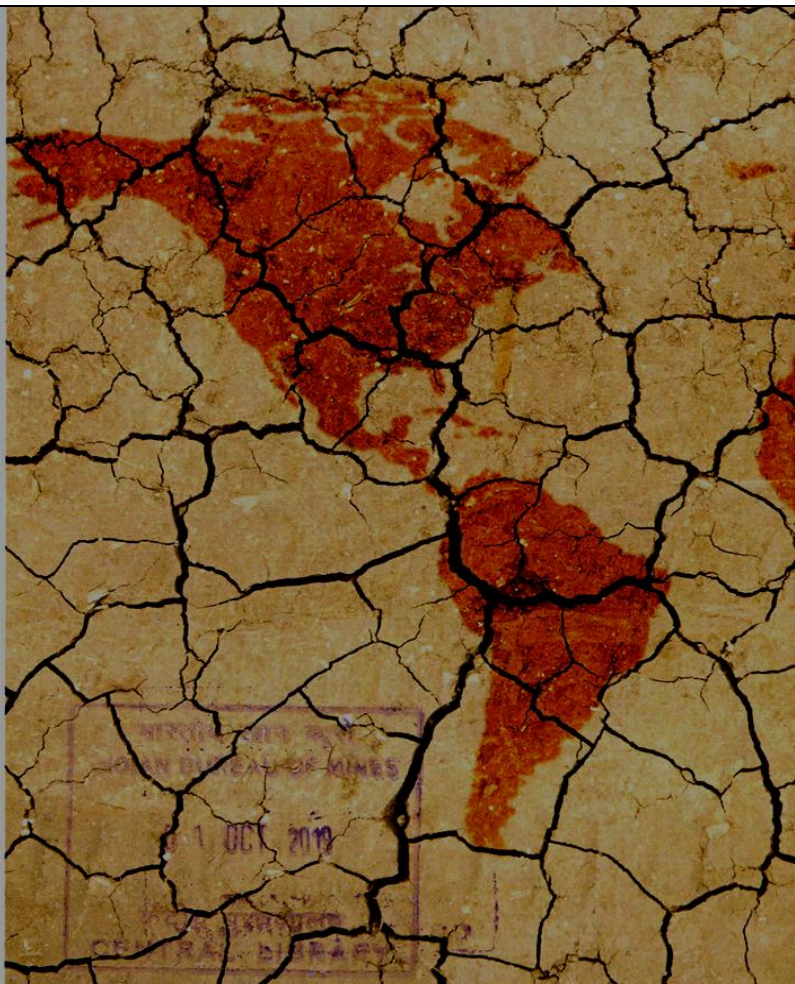
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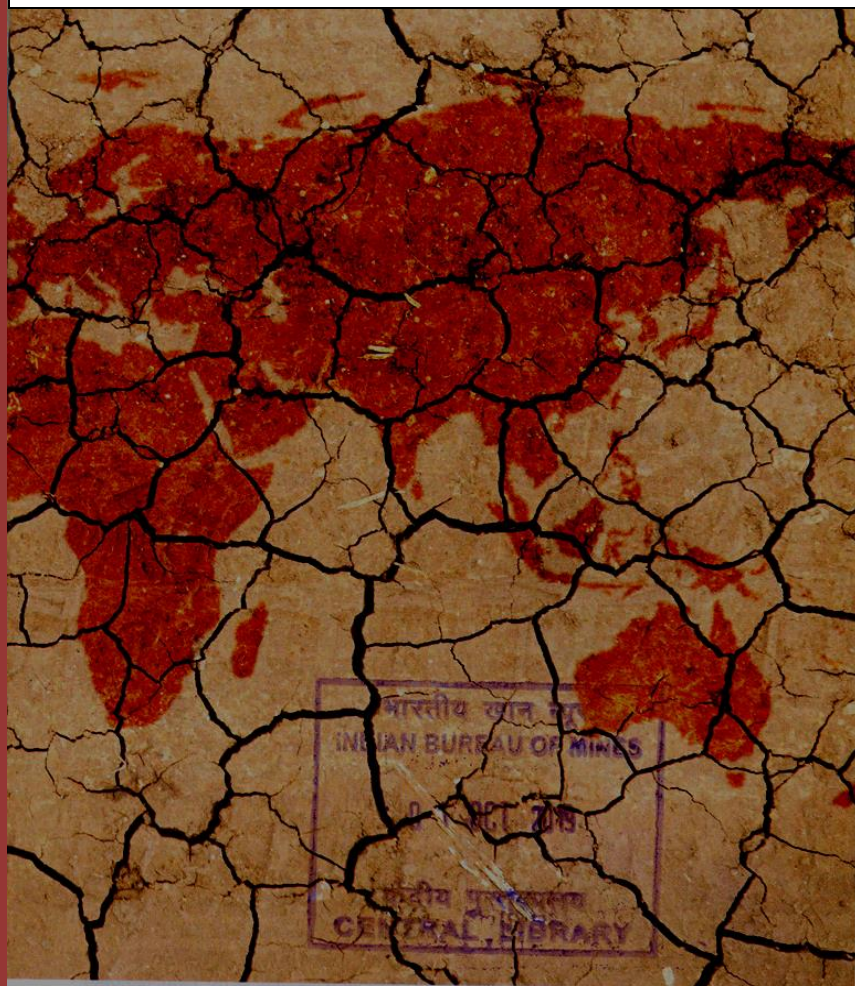
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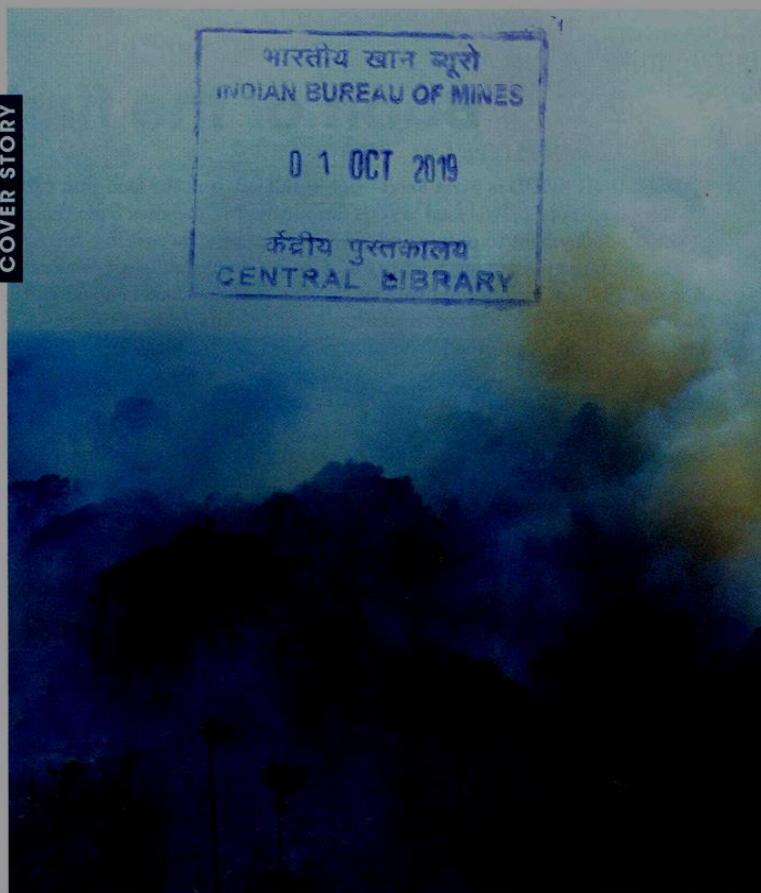
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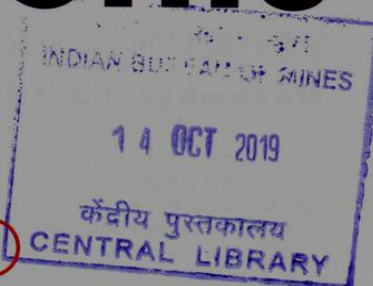
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Is this budget a missed opportunity for creating a "virtuous" cycle of investment, productivity growth, and jobs? **pages 24-46**

What Is Paramount for Policy?

If policies are pursued to facilitate business activity, and better methods are used to measure it, India can raise its per capita gross domestic product. **page 51**

Emerging Census Towns

A micro-level look at opportunities and challenges thrown up by new census towns due to the shift of the working population from the farm to the non-farm sector **page 122**



Articles based on post-poll surveys look at results in Punjab, Odisha, Telangana, Bihar and Jharkhand. **page 10 onwards**

Economic & Political Weekly, Vol.54 No.33, August 17, 2019

An Outlier in the North

- 10 The most significant development of the 2019 Lok Sabha elections in Punjab was the victory of the Congress, making the state an outlier in almost all of India, except for Kerala. — *Jagrup Singh Sekhon, Ashutosh Kumar*

Welfarism versus Hindutva

- 13 The 2019 elections in Odisha present a unique case where Narendra Modi becomes the most acceptable face as Prime Minister, but the Biju Janata Dal gets an upper hand in vote shares and seats. — *Hilal Ahmed, Gyanranjan Swain*

Parliamentary Elections in Telangana

- 16 An assessment of the first Lok Sabha election results after the formal creation of Telangana — *H Vageshan, Ramya Chitrapu*

NDA's Big Victory in Bihar

- 18 The National Democratic Alliance registered its best ever performance in Bihar in the Lok Sabha elections 2019. — *Mohammad Sanjeer Alam, Rakesh Ranjan*

BJP's Aggressive Campaign in Jharkhand

- 21 The success of the Bharatiya Janata Party in Jharkhand was enabled by the popularity of its prime ministerial candidate and being perceived as the saviour of the nation. — *Harishwar Dayal*

Can India Raise Its GDP Per Capita to \$5,000 by 2030?

- 51 If policies are pursued to facilitate business activity, and better methods are used to measure it, India can raise its gross domestic product per capita to \$5,000 by 2030 (from \$1,965 in 2017). — *Jayanta Kumar Mallik*

Census Towns in Uttar Pradesh

- 122 Census towns in selected districts of Uttar Pradesh have been analysed to comprehend the trends and patterns of urbanisation resulting from the transformation of rural areas into urban settlements. — *Prem Kumar*

Budget 2019–20

A set of seven articles provides a critical commentary on the budget proposals and vision for the economy's growth.

Road Map for Structural Reforms

- 24 There were great expectations of fast-tracking reforms in the budget, but it disappoints in setting a road map. — *M Govinda Rao*

Betting on Animal Spirits

- 27 Budget 2019–20 is more concerned with getting private finance for investment, rather than with financing much needed state action to address slowing growth and welfare shortfalls. — *C P Chandrasekhar*

Much Ado About Nothing

- 30 The announcements for the financial sector are either too little or too grandiose, relative to the actual requirements of the sector. — *Partha Ray*

Putting the Cart before the Horse

- 33 The 2019 Union Budget has neither proposed any bold policy moves, nor any big allocations for investments in the agri-food sector. — *Ashok Gulati*

Vision for Industrial Growth

- 36 The budget's vision for the growth of the manufacturing sector has been clouded by some illusions. — *M Suresh Babu*

Growth, Employment and Labour

- 40 Despite the rhetoric in the budget speech of the finance minister, the larger picture emerging from the recent data is a slowdown in growth and a net decline in employment. — *K P Kannan*

Social Sector in the 2019 Union Budget

- 43 The 2019 Union Budget has touched on all the components of the social sector in bits and pieces, but the overall framework for the sector is not clear. — *S Mahendra Dev*

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- 133 *Ananya* reads social protest in *Kaala* with *Towards an Aesthetics of Dalit Literature*; *Michelle D'costa* on finding characters in fiction she can relate to; *Gope Ahuja* on the Sindhis' access to the Kartarpur Sahib corridor; and Last Lines by *Ponnappa*.

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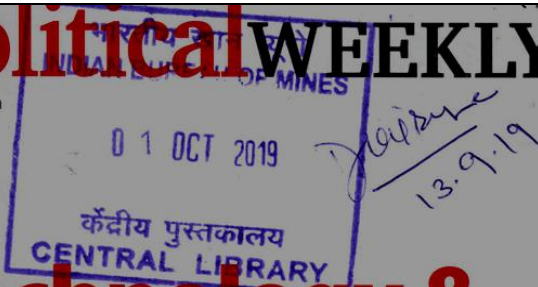
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- India as a Reluctant Leader in Agroecological Research
- The Fight against Mosquitoes
- Technology Vision 2035
- Democratic Visioning in the Vikalp Sangam Process

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Mumbai's Unbearable Load

Will a focus on non-motorised transport rather than on merely building more passenger capacity ease the congestion in the city's suburban trains? **page 34**

Everything Changes

The Yellow Vest movement in France has been criticised by many on the left and by parts of the media, but like many other such movements, it can be transformational. **page 12**



Articles based on post-poll surveys look at results in Kerala, Madhya Pradesh and the North East, including Assam. **page 16 onwards**

Economic & Political Weekly, Vol.54 No.34, August 24, 2019

Code on Wages and the Gig Economy

- 10 The Code on Wages, 2019 is a missed opportunity to update the definition of "employee" in the context of the rise of the "gig economy."
— *Alok Prasanna Kumar*

Climate Change and the Yellow Vest Movement

- 12 When many parts of the world seem to be on the right-wing populist trajectory, any organised or deliberately non-organised movement can set off changes and effects in different and unexpected ways. — *Zaheer Baber*

Decisive Vote for UDF in Kerala

- 16 The anti-incumbency wave against the National Democratic Alliance government at the centre and the Left Democratic Front government's hasty decision to implement the Sabarimala verdict influenced the election outcome in Kerala. — *K M Sajad Ibrahim*

Electoral Response to the Citizenship (Amendment) Bill

- 19 An examination of survey data is undertaken to understand why the Citizenship (Amendment) Bill issue did not affect the poll fortunes of the Bharatiya Janata Party in the North East. — *Amongla Jamir, R K Satapathy, S Mangi Singh & Shreyas Sardesai*

Assam 2019: NDA Deepens Its Dominance

- 23 The 2019 elections were seen as a litmus test for the Bharatiya Janata Party in terms of retaining its base among the state's indigenous communities that were bitterly opposed to the Citizenship (Amendment) Bill.
— *Dhruba Pratim Sharma, Vikas Tripathi*

Explaining the BJP's Comprehensive Victory in MP

- 26 The 2019 Lok Sabha elections in Madhya Pradesh took place against the backdrop of the assembly elections of 2018, wherein the Bharatiya Janata Party put up an extraordinary performance. — *Yatindra Singh Sisodia*

Easing Mumbai's Suburban Train Congestion

- 34 An integrated approach is suggested, wherein non-motorised transport infrastructure can take the load off Mumbai's suburban system by weaning short-distance travellers away from it. — *Vineet Abhishek*

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India's Green Revolution and Beyond

- 41 The envisioning of India's green revolution as the success model for all agrarian futures is based on a selective understanding of India's agrarian past as backward and needing redemption. — *Richa Kumar*

India as a Reluctant Leader in Agroecological Research

- 49 The case of the System of Rice Intensification highlights the barriers to a sustainable transition from the green revolution to an agroecological paradigm. — *C Shambu Prasad*

The Fight against Mosquitoes

- 57 Though controversial, the advanced biological control approach has re-emerged as a strong alternative and is shaping the trajectory of technological change in the fight against mosquitoes. — *Mahendra Shahare*

Visions, Technologies, Democracy and the Citizen in India

- 64 "Technology Vision 2035," developed by the Technology Information, Forecasting and Assessment Council, claims to identify key challenges and needs of India and describe its technology capability landscape in 2035.
— *Pankaj Sekhsaria, Naveen Thayyil*

Democratic Visioning in the Vikalp Sangam Process

- 70 The process of Vikalp Sangam (Alternatives Confluence) involves visioning of an ideal built on grounded initiatives, spanning the full range of alternative approaches to justice, equity, and sustainability. — *Ashish Kothari*

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Innovation in Indian Pharma

The link between domestic pharmaceutical firms and public sector research organisations needs to be strengthened by investing in systems and competence-building activities. [page 34](#)

Hospital Bed Efficiency

The Barber-Johnson technique is used to analyse the hospital bed efficiency at centres under India's apex medical institute and compare hospital bed utilisation with other countries across the world. [page 44](#)

Access and Equity in Education

An assessment of the impact of the draft National Education Policy's thrust on the objectives of access and equity as advocated in previous policy documents [page 13](#)

Nobel Laureates in Economics

A look at the contributions of Paul Romer and William Nordhaus against the background of the larger changes in the discipline of economics reveals the need to engage with works of Indian economists. [page 10](#)



Articles based on post-poll surveys look at results in Chhattisgarh, Himachal Pradesh, and Jammu and Kashmir. [page 16 onwards](#)

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Romer and Nordhaus's Nobel Winning Contributions

- 10 The contributions of Paul Romer and William Nordhaus to both economic theory and policy are critically assessed. — *Alex M Thomas*

Access and Equity Aspects of Higher Education in Jeopardy

- 13 An assessment of the draft National Education Policy of 2019 is undertaken in reference to the gross enrolment ratio. — *Madhu Paranjape*

What Sealed BJP's Victory in Chhattisgarh?

- 16 While a strong anti-incumbency sentiment worked against the Bharatiya Janata Party in the Chhattisgarh assembly elections, Narendra Modi's image-building exercise helped the party's candidates win in the Lok Sabha polls in the state. — *Lakhan Choudhary, Vibha Attri*

Pro-incumbency Favoured the BJP in Himachal Pradesh

- 18 The 2019 Lok Sabha elections in Himachal Pradesh saw an all-time high polling percentage, with the Bharatiya Janata Party emerging as a party that was supported across various sections. — *Ramesh K Chauhan, Bharti Sharma & Sunil Kumar*

Jammu and Kashmir: Regional Divides Underscored

- 20 The Bharatiya Janata Party swept the polls in Jammu, while the National Conference made a solid comeback in the Valley and People's Democratic Party's seemingly unrelenting downslide continued. — *Aijaz Ashraf Wani*

Disrupting Boundaries of Politics in Kerala

- 28 By invoking the controversy around the March 2018 cover of *Grihalakshmi* magazine, it is argued that there are certain paradigmatic shifts in how the imagined extents and limits of politics seem to be at the centre of a set of transformations in the dominant practices of media today. — *Jenson Joseph*

Pharmaceutical Firms' Contribution to Innovation

- 34 The government should rethink its strategies to get domestic pharmaceutical firms to contribute to system-building activities and prioritise investment into the upgrading of processes of learning and building competence. — *Dinesh Abrol, Amitava Guha, Rollins John & Nidhi Singh*

Barber-Johnson Technique to Assess Tertiary Care Hospital Efficiency

- 44 The Barber-Johnson technique is used to analyse the efficiency of five hospitals of India's apex medical institute, revealing a high efficiency of those hospitals, but also a high probability of poor health outcomes in future. — *Laxmtej Wundavalli, Sidhartha Satpathy & D K Sharma*

Community Participation in Water Resource Management

- 53 Using primary data, the impact of a tripartite institutional framework—comprising a non-governmental organisation, the funding agency, and the people (forming a community-based organisation)—on rural sustainability is examined. — *Roopesh Kaushik, Binay Kumar Pattnaik & Binayak Rath*

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- 61 *Sumana Chandrashekar* on the question of caste in the film *Sarvam Thaala Mayam*; *Anu Kumar* on the life of Mubarek Ali Khan, a crusader of the rights of Indian immigrants in the United States; *Neha Sinha* on why *Man vs Wild*'s confrontational approach to wildlife is problematic; and Last Lines by *Ponnappa*.

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A system dynamics simulation approach is adopted to analyse Delhi's air pollution in order to identify the root causes and help make effective policy decisions. **page 32**

The Goodness of Millets

The inclusion of millets in the public distribution system is a healthy step, but its production and consumption both face a crisis that needs to be tackled in an integrated manner. **page 49**

Spirit of Cooperative Federalism

An investigation into federal transfers to the states highlights the role of the union government in equitable direct investment, subsidy, and private investment policy for unbiased regional development. **page 40**

Dalit Political Consciousness

Is the current Dalit movement in Maharashtra informed by B R Ambedkar's vision of a dynamic political location for the community in the new democracy? **page 10**

Indonesia's Vital General Election

An analysis of the results of the April 2019 general election in the world's largest Muslim-majority country and their impact on its fragile democracy **page 17**

Foreign Investment in Coal Mining

- 7 Permitting 100% FDI in commercial mining is fraught with production and ecological risks.

To Whom Is the Press Responsible?

- 8 The Press Council of India should examine its mandate and objectives.

The Post-political Dalit Movement in Maharashtra

- 10 The contemporary Dalit movement in Maharashtra is marked by five distinct trends—increased militancy, sub-caste assertion, middle-class activism, public symbolism and rightward shift—that are not manifested through political mobilisation but predominantly in sociocultural spheres.
—Harish S Wankhede

The Accuracy of Agency Ratings

- 15 How the credit rating agencies need to provide more insights about corporate rating movements to enable banks to derive early warning signals about inherent credit risk and the kind of risk indicators that need to be disclosed have been highlighted. —Arindam Bandyopadhyay

Elections in Indonesia

- 17 The organisation of political discourse and the citizen's imagination around the personality cults of leaders and ascendant majoritarianism in Indonesia raises concerns about the health of democracy. —Dias Pabyantara, Radityo Dharmaputra

Governing Mass Migration to Dhaka: Revisiting Climate Factors

- 26 For a clear framework of governance of population flow affecting Dhaka and its peri-urban areas, it is important to identify and distinguish the climatic and non-climatic issues, requiring attention to scientific data and an examination of the politics of exclusion and extortion. —Iftekhar Iqbal

Understanding Delhi's Complex Air Pollution Problem

- 32 The use of system dynamics simulation offers a novel systems thinking approach to understand Delhi's air pollution, taking into account the dynamic nature of the air pollution system as well as the complex interdependencies among the various factors and sources of air pollution.
—Shuvabrata Chakraborty, Samir K Srivastava

Fiscal Federalism and Regional Inequality in India

- 40 Although the Finance Commission's transfers are progressive, the share of devolution for low-income states is gradually decreasing, and all other transfers and efforts by the centre are regressive to address the regional inequality issues. —Bakshi Amit Kumar Sinha, Barna Ganguli

Millet in the Indian Plate: A Policy Perspective

- 49 Scaling the policy decision to include millets in the basket of goods provided through the public distribution system to the national level will require rigorous measures to improve production as well as consumer acceptability.
—Sanchit Makkar, Sumedha Minocha, Sumathi Swaminathan & Anura V Kurpad

Matting of Hair among Women in South-western India

- 56 Thematic accounts of affected women uncover the health and human rights marginalisation surrounding the matting of hair as a practice with religious undertone, effectively making it a neglected harmful cultural practice.
—Govind Dhaske

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Five articles in this review explore themes that examine the relationship between labour and nature, the empirical effects of the labour–nature complex, and the conceptual and theoretical challenges it presents. **page 33 onwards**

Policy Prescription for Education

Three articles closely analyse the Draft National Education Policy, 2019 and find that it pays no heed to regional disparities, access to school education, and the concept of common schools. **pages 13–19**

Ponzi Schemes and Financial Literacy

Social networks fostered by self-help groups may provide higher incomes, but also facilitate the spreading of misinformation about Ponzi schemes that hurts naïve investors. **page 26**

A 'Canon of Black Work'

Toni Morrison's (1931–2019) work is guided by the question of whether the imagination can be political even as the aesthetics of her writings serve as codes to history, memory, and identity. **page 70**

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Military Professionalism and Effectiveness

- 10 The military's input to national security may be swayed by ideological winds if it loses its apolitical grounding. — *Ali Ahmed*

Vision without Basis: A Fanciful Education

- 13 The Draft National Education Policy, 2019 strives to provide a vision, albeit without presenting any statistical basis or taking into account the sociopolitical and historical contexts. — *Krishna Kumar*

What's in It for School Education? DNEP, 2019

- 15 The Draft National Education Policy, 2019 has fallen into the trap of measuring outcomes while remaining indifferent to input shortcomings and systemic inequalities. — *Jyoti Raina*

Overlooking the Idea of Common School in the Education Policy

- 18 The Draft National Education Policy, 2019 lacks commitment to the idea of common school, encouraging differentiation of schooling experiences for different socio-economic groups. — *Vikas Maniar*

Do Social Networks Facilitate the Spread of Ponzi Schemes?

- 26 A primary survey shows how social networks created by self-help groups facilitate the spread of misinformation regarding Ponzi schemes and hurt naïve investors. — *Souvik Dutta, Abhirup Sarkar*

Review of Environment and Development

Five articles offer insights into the inextricable relationship that labour, work, and dwelling practices have with nature.

Water and H₂O: 'Elements of Labo(u)r'

- 35 The primordially of water in landscapes (and not H₂O) will have to be given a foundational position in the modern world view, as the reflexive labor it metabolises can restrain the instrumental labour metabolised by H₂O. — *Savyasaachi*

Towards a Conception of Socially Useful Nature

- 40 An examination of the methods promoted by the United Nations System of Environmental-Economic Accounting in valuation of nature shows their inadequacy in arriving at a non-commodified conception of "socially useful nature." — *Archana Prasad*

Rethinking Development and Environment in North Andaman

- 45 An ethnographic analysis of the interconnectedness of labour and landscape in North Andaman reveals a distinct discourse on the environment among the descendants of settlers there. — *Anupama Ramakrishnan*

The Scientific Worker and the Field

- 52 Drawing attention to scientific work as labour, the need for a closer examination of the subjectivities of educated, trained government employees in charge of field data collection on marine fisheries is emphasised. — *Aarthi Sridhar*

Eco-labour's Challenge to the Neo-liberal Understanding of Nature

- 59 A conversation is constructed around three themes that mediate the encounter between labour and nature showing how labour's alienation from nature is a construct of capitalism that can be overcome only when industrial society is challenged and transformed. — *Dunu Roy*

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- 68 *Rama Kant Agnihotri* on Narendra Modi's craft of twisting words; *Yogesh Maitreya* on establishing an anti-caste publishing culture in English; *Susan Haris* on Toni Morrison's work on the history of the African American experience; and Last Lines by *Ponnappa*.

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Considering the gravity of the economic slowdown, there is an urgent need for public expenditure for employment generation and other social sector goals, and not just to protect finance capital. **page 16**

For Demand-led Growth

A demonstration of how a fiscal space of the gross domestic product can be freed through a deep fiscal adjustment programme and used for an inclusive public expenditure-led strategy for growth revival **page 32**

A New National Pact?

Can the government do enough to convince the Kashmiri people about its reassuring statement that their culture and identity will be protected? **page 14**

Redefining Measures of Innovations

Existing studies in India ignore the emerging innovation activities in the service and informal sectors, which are relevant in terms of their contribution to the gross domestic product. **page 19**

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- 7 Expansionary impulses to revive the economy are the need of the hour.

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- 8 Seeing and identifying India through the prism of a single language is not desirable.

What Do We Do with PSBs?

- 10 In the 50th year of bank nationalisation, while there is a general clamour for privatisation of public sector banks, wholesale privatisation is neither politically feasible nor desirable on economic grounds. — *T T Ram Mohan*

On Ethics of Legal Representation

- 12 Throughout his long and distinguished career, Ram Jethmalani was a hugely controversial figure, liked or disliked based on who he represented in court. This, however, is the wrong way to frame an understanding of his work as a lawyer. — *Alok Prasanna Kumar*

The Constitutional Legitimacy of Abrogating Article 370

- 14 While the popular opinion in the nation is in favour of the abrogation of Article 370 in Kashmir, the constitutional legitimacy of the decision needs to be questioned. — *Ashwani Kumar*

Official Reforms and India's Real Economy

- 16 The remedial measures announced by the government in and after the 2019–20 budget reflect its limited understanding of the economy as the performance of the financial markets alone. — *Sunanda Sen*

The Need for an Innovation Survey in India

- 19 Mainstream measures of innovation at both the macro and micro levels are only a part and not the full extent of innovation that occurs in India. There is a need for evidence of other forms of innovation. — *K Chandra Shekar, George Paily*

Inclusive Fiscal Adjustment for Reviving Growth

- 32 A fiscal space, amounting to over 6% of the gross domestic product, can be freed through a programme of deep fiscal adjustment. — *Sudipto Mundle, Satadru Sikdar*

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- 37 Two discourses—non-indigenist critiques of Eurocentrism and Dalit–Bahujan–Adivasi narratives—that fracture “Hinduism” are put in conversation with each other. — *Nivedita Menon*

Tribes and Urbanisation in North East India: Issues and Challenges

- 46 The complex topic of uneven regional distribution of city and town formations in the North East is examined with reference to the “tribal metropolis” of Shillong in Meghalaya, which is experiencing a rapidly changing urban landscape. — *Aashish Khakha*

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- 53 How successful Uttarakhand has been in realising the pursuit of economic growth to improve the standard of living of the population, in general, and in mainstreaming the different social groups both within and without as a state in a federation is examined. — *M H Suryanarayana, Rajendra P Mamgain*

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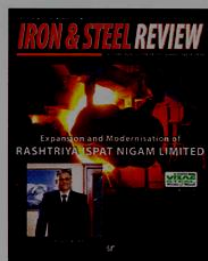
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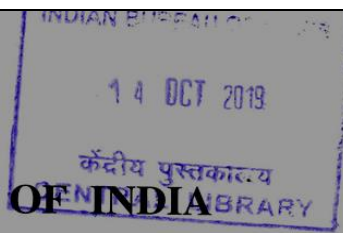
Giant plagioclase basalt (GPB) showing the large plagioclase phenocrysts either alone or in clusters from the Kalsubai Subgroup, top of Bhimashankar Formation, Ane Ghat

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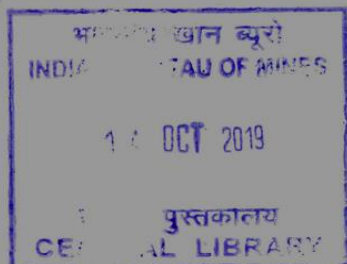
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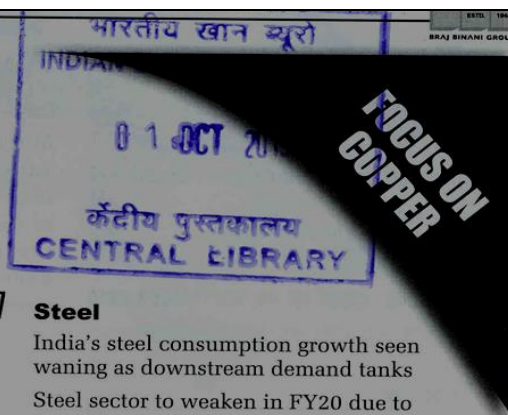
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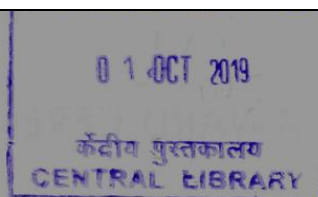
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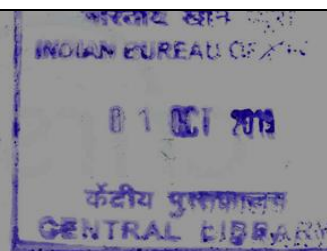
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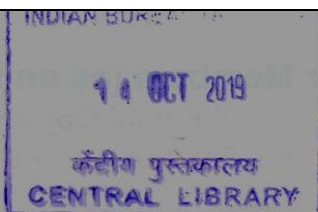
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