CALL FOR PAPERS / ARTICLES

1. Papers are invited from Russian and Indian authors on the topics given below.

2. The papers and abstracts should be preferably in English language. However, Russian language abstract can also be submitted, in Word document Times Roman 12 type, 1.5 line spacing.

3. Authors should submit abstracts of 200-400 words outlining their proposed papers. The abstracts may be sent at any time but not later than 31 January 2022 by

email to snt.moscow@mea.gov.in

copy to science.diplomacy@ris.org.in

4. The abstracts will be reviewed and shortlisted for provisional acceptance with comments for revision as required. The authors will be notified by Email of the acceptance of the abstract.

5. The authors whose abstracts are accepted will be requested to send the completed papers (3000-5000 words) by email to latest within 45 days of notification of acceptance of abstracts.

6. The papers will be reviewed (translated) by experts and suggestions for revision sent to the authors, after which they may revise the paper and send the final version.

7. The final papers will be reviewed and the decision on final acceptance for publication communicated to the authors.

8. The authors of finally selected papers will receive a special certificate/award for their work and may be invited for panel discussions.

9. The finally selected papers will be published in a special publication. They will also be translated in Russian for the Russian version of the publication.

10. The papers which are not finally selected may be published separately, with the consent of the authors in journals and websites of repute.

Annex A

India Russia - Prospects of Technology Partnerships (2022-2030)

List of topics for papers

(1) Bio-Technology- including Industrial Bio-technologies; Agricultural Biotechnologies; Environmental Bio-technologies; Food Bio-technologies; Forestry Bio-technologies; Aqua-bioculture; Industrial Biotechnology etc.

(2) Medicine and Health care- including research for Medical devices; Drug Candidates; Molecular Diagnostics; Biomedical Cellular Technologies, Vaccines.

(3) Environment Technologies - including Air Quality, Waste Management, Cooling and refrigeration. Carbon capture and recycling.

(4) Earth sciences- Water, Polar and Ocean resources and Climate change etc.

(5) New and Alternate Energy- including Bio-energy; Hydrogen energy; Energy efficiency etc.

(6) Transportation and Transport networks - including emerging automotive technologies.

(7) New Materials- including Nano-materials and Carbon Nano-materials, composite materials, etc.

(8) Mining & Metallurgy Technologies- including safety, robotics, extraction and refining process technologies, Surface Engineering, modelling, environment protection and assessment technologies etc.

(9) Agriculture Technologies - including digital agriculture and drip irrigation etc.

(10) Water Technologies- including preservation, purification and re-use etc.

(11)   Laser, Photonics and Quantum Technologies – including communications, computing and sensing, etc.

(12) Sensor Technologies- including sensors for harsh environment, intelligent sensors (eg. useful in IoT), highly sensitive sensors for various applications such as change in magnetic field, gaseous composition detection etc.

(13) Geo-Spatial Technologies- including Remote Sensing, Photogrammetry, cartography, GPS and GIS applications.

(14)   Chemicals and Petrochemicals- including bulk chemicals, specialised Chemicals, Pharma Chemicals and Agrochemicals

(15)   Disaster Management Technologies- including monitoring and management of natural disasters, Industrial disasters and control technologies

(16) Drone Technologies- for diverse civilian and commercial application of drones in sectors like agriculture, power, infrastructure, mining and telecom.

(17)   Electronics Systems Design and Manufacturing (ESDM)- including devices developments and automation, robotics, miniaturisation etc.

(18) Hydrocarbon Technologies- including technologies for upstream, downstream and midstream technologies

(19) Waste to Wealth Technologies- including Municipal waste management, Industrial waste management and Agro-waste management etc.

(20) Textile Technologies- Agrotech, Buildtech, Clothtech, Geotech, Hometech Fibre, Indutech, Meditech, Mobiltech, Packtech, Protech and Sportech fibers and textiles etc.

(21)   Pharma Technologies – including production of raw material, APIs, pharma industry waste management, medical devices and process technologies etc.

(22)   Information and Communication Technologies- including Computer Architectures and Systems; Telecommunication Technologies; Data Processing and Analysis Technologies; Predictive Modeling, Prospective Systems Functioning; Information Security etc.

(23)   Aerospace and Strategic Electronics - including commercial aircraft, Aerospace technologies, Strategic electronics, Actuators and Aviation grade materials etc.

(24)   Nuclear / Space Spin-off Technologies- including spin-off technologies for healthcare, medicine, transportation, public safety, environmental and agriculture etc.

(25)   Miscellaneous Topics- Co-operation in science and technology in science policy, Indo Russia cooperation in science diplomacy for Multilateral forums and Global Challenges. STI for developing human resources and exchanges, Co-operation for controls and access to STI facilities, Diaspora role in STI cooperation etc.