

## India-US Bilateral Relations

India and United States enjoy a comprehensive global strategic partnership covering almost all areas of human endeavor, driven by shared democratic values, convergence of interests on a range of issues, and vibrant people-to-people contacts.

### High-Level Exchanges

2. Regular dialogue between the Leaders is an important element of the expanding bilateral ties. The outcomes of these visits have been instrumental in strengthening the multifaceted bilateral ties.

3. There is regular high-level interaction between Prime Minister Shri Narendra Modi and President Biden. The respective leaders had several bilateral meetings and met on sidelines of multilateral events. Prime Minister also participated in virtual Summits convened by President Biden including Quad, I2U2 (India, Israel, USA and UAE), Summit for Democracy and other events.

#### 4. **PM's interactions with President Biden:**

- G7 and Quad Leaders Summit, 20 May 2023 in Hiroshima, Japan
- Telephonic conversation on 14 February 2023
- Virtual Summit for Democracy on 29 March 2023
- Sidelines of G20 Summit in Bali on 15 November 2022
- G7 Summit in Germany on 27 June 2022.
- Quad Leaders' Summit in Tokyo, Japan on 24 May 2022 including a bilateral meeting.

5. PM Modi made his first State Visit to the US from 21-23 June 2023 at the invitation of President Biden. In addition to a bilateral meeting with President Biden, he addressed a Joint Meeting of US' Congress and interacted with business and thought leaders. PM Modi had visited the US in September 2021 for the first in-person Quad Leaders' Summit on 24 September 2021 and had a bilateral meeting with President Biden.

6. President Biden visited New Delhi from 8-10 September 2023 to attend G-20 Leaders' Summit. President Biden and PM Modi had a bilateral meeting and co-hosted a group of G20 leaders to accelerate investments in high-quality infrastructure projects and development of

economic corridors through the India Middle East Europe Economic Connectivity Corridor and the Partnership for Global Infrastructure and Investment (PGI).

**7. Incoming Visits from U.S.**

- NSA Jake Sullivan - June 2023- Second iCET Meeting
- Secretary of State Antony Blinken – G20 Foreign Ministers’ Meeting and Quad Foreign Ministers’ Meeting- March 2023, Delhi
- Defense Secretary Llyod Austin - June 2023 and March 2021
- Secretary of Commerce Gina Raimondo - U.S.-India Commercial Dialogue and CEO Forum- March 2023.
- Secretary of Treasury Janet Yellen - G20 Finance Ministers and Central Bank Governors (FMCBG) meeting – February 2023 and July 2023 respectively. She also accompanied President Biden for G20 Leaders’ Summit
- U.S. Trade Representative Ambassador Katherine Tai- for G20 Trade and Investment Ministers’ Meeting in August 2023 and bilateral visit in November 2021.
- Secretary of Energy Jennifer M. Granholm - July 2023 for the G20 Energy Ministerial and India-US Strategic Clean Energy Partnership.
- Special Presidential Envoy on Climate John Kerry - July 2023.
- Commander of NAVCENT Vice Admiral Brad Cooper - May 2023.
- Under Secretary of Defence Heidi Shyu - September 2023.
- Chief of Staff of the Army Gen Randy George to co-host Indo-Pacific Army Chief’s Conference , September 2023.
- Deputy National Security Advisor & G20 Sherpa Mike Pyle - 2022 and 2023 for G20 meetings.
- Secretary of Air Force Frank Kendall - March 2023.
- Commander INDOPACOM Admiral John Aquilino - March 2023.
- Undersecretary of State Victoria Nuland – January 2023.
- U.S. NSC Coordinator for Indo-Pacific Kurt Campbell October 2022
- Dr. S. Panchanathan, Director, US National Science Foundation - August 2022, January 2023 and for the G20 Chief Science Advisers’ Roundtable August- September 2023.
- USAID Administrator Ambassador Samantha Power in July 2022.
- Under Secretary of State Uzra Zeya - July 2023 and May 2022.
- Deputy Secretary of State Wendy Sherman - October 2021.

**8. Outgoing Visits to U.S.:**

- EAM visited Washington D.C. 27 September-1 October 2023. He accompanied PM Modi during his State Visit September 2022 & April 2022.
- EAM met Secretary Blinken in Cambodia on sidelines of EAS in November 2022, August 2022, on sidelines of G20 FMM in Bali in July 2022, and on sidelines of G7 Summit in June 2022.
- Raksha Mantri visited USA in April 2022
- Finance Minister Smt. Nirmala Sitharaman visited Washington D.C. in April 2023 to attend the World Bank and IMG Spring Meetings; and in April and October 2022.
- Commerce and Industry Minister visited U.S. in January 2023 for the Trade policy Forum and September 2022 for the in IPEF Ministerial.
- Minister for Railways, Communications, Electronics, and Information Technology Shri Ashwini Vaishnaw visited San Francisco in May 2023.
- Minister Petroleum and Natural Gas visited U.S. in October 2022 to co-chair the Strategic Clean Energy Partnership [SCEP] Ministerial.
- Minister Jal Shakti Shri Gajendra Singh Shekhawat visited Washington D.C. in February – March 2023 at attend the ‘Water Week’ at World Bank.
- Foreign Secretary visited Washington DC in June 2023 for the inaugural Strategic Trade Dialogue and other bilateral interactions.
- Principal Secretary to Prime Minister visited Washington DC in May 2023
- NSA visited Washington D.C. in January 2023 for the inaugural iCET meeting and other interactions.
- Deputy NSA Vikram Misri visited Washington DC in January 2023.
- G20 Sherpa visited U.S. November 2022.

## **Parliamentary Exchanges**

9. India-US relations enjoy strong bipartisan support in the US Congress. The India Caucus in the US Congress comprising the Senate India Caucus and the House Caucus on India and Indian Americans is one of the largest single country Caucus in the US Congress with over 150 members.

### **10. Visits of U.S. Congressional Delegations [CODEL]**

- U.S. Senator Steve Daines [7-10 November 2021]
- A 5 member U.S. Congressional delegation led by Senator John Cornyn [11-13 November 2021]

- Senator Kristen Gillibrand led a 5-member Congressional Delegation [20-22 April 2022]
- Representative Eric Swalwell, September 2022
- Senator Jon Ossoff, August - September 2022
- Congressman Adam Smith, Chairman of House Armed Services Committee, Congresswoman Chrissy Houlahan and Congressman Austin Scott, April 2022.
- Congressman Eric Swalwell, September 2022.
- Senate Majority Leader Chuck Schumer led a nine-member delegation to India in February 2023.
- Senator Todd Young visited India from 11-15 April 2023.
- House India Caucus CODEL led by Rep. Mike Waltz and Rep. Ro Khanna in August 2023 and accompanied by Rep. Deborah Ross, Rep. Kat Cammack, Rep. Shri Thanedar, Rep. Jasmine Crockett – August, 2023, Rep. Rich McCormick and Rep. Ed Case in August 2023.

## **Defence Cooperation**

11. India-US defence cooperation is based on “New Framework for India-US Defence Cooperation”, which was renewed for ten years in 2015. In 2016, the defence relationship was designated as a Major Defence Partnership (MDP). On 30 July 2018, India was moved into the Tier-1 of the US Department of Commerce’s Strategic Trade Authorization license exception.

12. Defence cooperation is multifaceted and includes regular institutionalized bilateral dialogue, military exercises, and defence procurements. At the apex of dialogue mechanisms is the 2+2 Ministerial Dialogue co-chaired by the Minister of External Affairs and Minister of Defence and the U.S. Secretary of State and Secretary of Defence. This dialogue provides guidance on political, military and strategic issues. The fourth 2 + 2 Ministerial took place in April 2022 in Washington DC.

13. The Defence Policy Group (DPG) headed by Defence Secretary and Under Secretary of Defence (Policy) provides a platform for a comprehensive review of defense dialogues/mechanisms. The 17<sup>th</sup> DPG was held in Washington D.C. in May 2023. Defence procurements from USA are growing and amount to almost US\$20 billion. Major US-origin platforms in use include C-130J, C-17, Apache, Chinook, MH60R helicopters and P8I. Other bilateral dialogue mechanisms are the Defence Production and Procurement Group, Joint

Technology Group, bilateral Maritime Security Dialogue, Industrial Security Summit and the Defence Trade and Technology Initiative.

14. Since 2022, three US' Maritime Sealift Command ships have visited Indian shipyards for repair and allied services on the basis of commercial contracts.

15. Important defence agreements which provide the framework for interaction and cooperation are: Logistics Exchange Memorandum of Agreement (2016); Communications Compatibility and Security Agreement (2018); Industrial Security Agreement (2019); and Basic Exchange and Cooperation Agreement (2020). and Memorandum of Intent for Defense Innovation Cooperation (2018).

16. The India-US Defence Industrial Cooperation Roadmap which concluded in May 2023, seeks to fast-track technology cooperation and co-production in areas of mutual interest. The India-US Defense Acceleration Ecosystem (INDUS X) – a network of universities, incubators, corporates, think tanks, and private investment stakeholders was launched in June 2023. .

17. Military to Military exchanges take place through high-level visits, exercises, training courses and regular service-specific bilateral mechanisms. India has the largest number of military exercises with USA, which are growing in scale and complexity. Important bilateral exercises include Yudh Abhyas (Army), Vajra Prahar (Special Forces), Malabar (Navy), Cope India (Air Force), and Tiger Triumph (tri-services). Red Flag, RIMPAC, CUTLASS Express, Sea Dragon, and Milan are some multilateral exercises in which the two countries participate. INS Satpura was the first Indian naval ship to visit US mainland when it came to San Diego in August 2022 as a part of Azadi Ka Amrit Mahotsav. India joined the multilateral Combined Maritime Force (CMF) based in Bahrain, as an Associate Partner in April 2022.

### **Counter Terrorism Cooperation**

18. Cooperation in counter-terrorism is one of the pillars of the bilateral partnership featuring information exchange, capacity building, operational cooperation and regular dialogue through the India-U.S. Joint Working Group on Counter-Terrorism. In 2017, both sides initiated a dialogue on domestic and international terrorist designations. The last JWG on CT and Designations Dialogue was in New Delhi on 13 December 2022.

## **Security Cooperation**

19. The Homeland Security Dialogue (HSD) at the Home Minister/Secretary of Department of Homeland Security level was established in 2010. There are five joint sub-groups under HSD dealing with border and global supply chain security, law enforcement engagements and cooperation, capacity building and aviation security. A virtual Senior Officials HSD, co-chaired by Home Secretary and Under Secretary for Policy, Department of Homeland Security, was held on 12 January 2022.

## **Counter-Narcotics Cooperation**

20. The fourth bilateral Counter Narcotics Working Group meeting was held in Washington D.C in July 2023. India also joined the US-led Global Coalition on Synthetic Drugs.

## **Cyber Security Cooperation**

21. The India-US Cyber Framework was signed in September 2016. India-U.S. Cyber Dialogue was held in Washington D.C. in September 2022, led by the respective DNSAs. India also participated in the U.S. led Counter Ransomware Initiatives meeting in Washington D.C. in November 2022.

## **Trade & Economic Relations**

22. USA is India's largest trading partner with bilateral trade in goods and services crossing US\$ 191 billion in 2022. In 2022 bilateral merchandise trade reached US\$ 133 billion and services trade reached around US\$ 58 billion (Source: US Census data).

### **India-US Bilateral Trade:**

*(in US\$ )*

India-US Bilateral Trade (in US\$ million)	2018	2019	2020	2021	2022
<b>India's Exports to US</b>	<b>India's Exports to US</b>	<b>India's Exports to US</b>	<b>India's Exports to US</b>	<b>India's Exports to US</b>	<b>India's Exports to</b>

				(bn)	US(bn)
1.Merchandise	54,282	57,694	51,190	73.37	85.67
2.Services	28,874	29,738	25,841	28.98	32.86
<b>Total</b>	<b>83,156</b>	<b>87,432</b>	<b>77,031</b>	<b>102.35</b>	<b>118.53</b>
<b>U.S. Exports to India</b>	<b>U.S. Exports to India</b>	<b>U.S. Exports to India</b>	<b>U.S. Exports to India</b>	<b>U.S. Exports to India (bn)</b>	<b>US Exports to India (bn)</b>
1.Merchandise	33,191	34,288	27,395	39.94	47.33
2.Services	25,200	24,333	17,420	16.72	25.57
<b>Total</b>	<b>58,391</b>	<b>58,621</b>	<b>44,815</b>	<b>56.66</b>	<b>72.9</b>
<b>Total Bilateral Trade</b>	<b>Total Bilateral Trade</b>	<b>Total Bilateral Trade</b>	<b>Total Bilateral Trade</b>	<b>Total Bilateral Trade (in bn)</b>	<b>Total Bilateral Trade (bn)</b>
1.Merchandise & Services	141,547	146,053	121,846	159.01	191.43
<i>Source: US Department of Commerce, US Bureau of Census</i>					

23. During 2022-23, US was the third largest source of FDI into India with inflows of US\$ 6.04 billion accounting for almost 9% of total FDI equity inflows. Many Indian companies are investing in the US and adding value. According to a CII study released in April 2023 163 Indian companies invested over \$40 billion in the US and created over 425,000 direct jobs.

24. An Investment Incentive Agreement between our Ministry of Finance and U.S. International Development Finance Cooperation [DFC] was signed in 2022 to enable equity investment, co-insurance, grants, feasibility studies, and technical assistance. As of March 2023, DFC's India portfolio stood at more than \$3.1 billion across 100+ projects.

25. **Dialogue Mechanisms:**

- **India-U.S. Trade Policy Forum (TPF):** Established in 2005, TPF discusses market access and trade related matters. The 13th TPF was held in Washington, DC, on January 11, 2023 led by CIM and USTR.
- **India-U.S. Commercial Dialogue:** Focuses on cooperation in standards, ease of doing business, travel & tourism, and other important issues of commercial significance. It is co-chaired by CIM and the U.S. Secretary of Commerce. The 5<sup>th</sup> Commercial Dialogue

was held in New Delhi on 10 March 2023.

- **India-U.S. CEO Forum:** Established in 2005, the Forum meets on sidelines of the Commercial Dialogue and submits recommendations to the Commercial dialogue. The CEO Forum met on March 10, 2023 in New Delhi.
- **Information and Communications Technology(ICT):** A Joint Working Group on ICT was established in 2005 to bring together government and industry from both sides to discuss cooperation in electronics & IT sector. The last meeting was in May 2023 in Washington DC.
- **India – U.S. Economic and Financial Partnership Dialogue (EFP):** Led by our Finance Minister and the U.S. Secretary of the Treasury, the 9th ministerial EFP Dialogue was held in November 2022 in New Delhi. 11<sup>th</sup> Financial and Regulatory Dialogue was held in March 2023, in Gandhinagar.
- **Indo-Pacific Economic Framework [IPEF]:** India joined the launch of IPEF in May 2022 along with 13 Partner countries. India joined three of the four Pillars of IPEF, related to supply chains (2), tax and anti-corruption (4) and clean energy(3). Text of Pillar 2 Supply chain resilience’ was finalized in May 2023. Negotiations are ongoing on text of agreements for Pillars 3 and Pillar 4.

### **Strategic Energy Partnership/ Climate & Clean Energy Agenda 2030**

26. India and US have a strong bilateral partnership in the energy sector. In April 2021 an India-U.S. Climate and Clean Energy Agenda 2030 Partnership was launched, with two tracks i.e. Strategic Clean Energy Partnership (SCEP); and Climate Action and Finance Mobilization Dialogue (CAFMD). SCEP has five pillars: 1) Power & Energy Efficiency, 2) Renewable Energy, 3) Responsible Oil & Gas, 4) Sustainable Growth, and 5) Emerging Fuels and Technologies (hydrogen bio-fuels and waste to energy). An Energy Storage Task Force supports integration of renewable energy to support the clean energy transition. The last SCEP Ministerial meeting led by US Energy Secretary and Minister of Petroleum and Natural Gas was held in Delhi, in July 2023.

27. The inaugural CAFMD meeting in September 2021 in Delhi was co-chaired by Special Envoy on Climate John Kerry and our Minister of Environment, Forest, and Climate Change focusing on climate finance mobilization and adaptation and resilience.



28. Hydrocarbons trade with USA which started in 2017 amounted to US\$ 19 billion during 2022. US is our 4th largest crude oil and 2nd largest LNG supplier.

29. USA joined the International Solar Alliance in 2021 and ratified the ISA Agreement in 2022. USA is also a Member of the Coalition for Disaster Relief Infrastructure(CDRI). India participates in the Major Economies Forum hosted annually by the US with focus on climate actions.

30. In August 2023 India and USA launched Renewable Energy Technology Action Platform (RETAP) to enable lab-to-lab collaboration, pilot projects, testing of innovative technologies and capacity development.

31. The two countries agreed to a payment security mechanism financed through both public and private funds for providing financial guarantee to e-Bus manufacturers/operators in India.

32. To lower the cost of capital and accelerate deployment of greenfield renewable energy, battery storage and emerging green technology projects in India, in September 2023, India's National Investment and Infrastructure Fund and the U.S. Development Finance Corporation exchanged letters of interest to each provide up to US\$500 million to anchor a renewable infrastructure investment fund.

### **S&T and Space Cooperation**

33. The Science and Technology Cooperation Agreement signed in October 2005, was renewed for 10 years in September 2019. The Indo-US Science and Technology Forum (IUSSTF), promotes cooperation in S & T and innovation. U.S. National Science Foundation (NSF) and India's DST, MeITY and DBT signed Implementation Arrangements to support research collaboration in AI, advanced communication networks, quantum science, Internet of Things, Interdisciplinary Cyber Physical System, biotechnology manufacturing, bio safety and bio-security.

34. India and the U.S. have a long history of cooperation in the civil space arena in Earth Observation, Satellite Navigation, Space Science and Exploration. Indian Space Research Organization (ISRO) has robust civilian space cooperation with the US National Aeronautics and Space Administration (NASA); National Oceanic and Atmospheric Administration (NOAA); US Geological Survey (USGS) and academic institutions. A Joint Working Group on Civil Space

Cooperation last met in Washington D.C. on 30-31 January 2023, co-chaired by Scientific Secretary, ISRO and Associate Administrator of NASA.

35. ISRO and NASA are developing a microwave remote sensing satellite for Earth observation, NASA-ISRO Synthetic Aperture Radar (NISAR). NASA/JPL will contribute L-band Radar, while ISRO will contribute S-band Radar. The satellite and launch vehicle would be launched in early 2024 from Shriharikota, India.

36. ISRO availed NASA/JPL's Deep Space Network Antenna support for its Chandrayaan-1, Mars Orbiter Mission (MOM), Chandrayaan-2 mission, and the Chandrayaan-3 satellite. ISRO and NASA successfully implemented Professional Scientific Personnel Exchange Programme in earth observation applications under the framework signed in April 2017. ISRO launched more than 200 satellites from the US, on-board Polar Satellite Launch Vehicle (PSLV), as co-passengers. In June 2023 ISRO signed with NASA the Artemis Accords to participate in peaceful and sustainable civil exploration of outer space. ISRO and NASA have agreed to enhance cooperation in human space flight including developing a Strategic framework for human spaceflight cooperation and mounting a joint effort to the International Space Station . NASA will train Indian astronauts. A Commercial Space Working group would be set up under the Civil Space Joint Working Group to enhance collaboration between the US and Indian private sector.

37. **Initiative for Critical and Emerging Technology [iCET] was launched by the** National Security Advisors in Washington, DC on 31 January 2023 to facilitate strategic technology collaborations in critical and emerging technologies, co-development and co-production and connect the respective innovation ecosystems especially in AI, quantum, telecom, space, biotech, semiconductors, emerging defence technologies and biotech. The second iCET meeting was held in New Delhi on 13-14 June 2023.

### **Health Cooperation**

38. There is a longstanding research collaboration in the health sector to develop new therapeutics and diagnostics. Under the Bilateral Vaccine Action Program (VAP) a ROTAVAC® vaccine to counter diarrhea in children was developed by an Indian company at an affordable cost. The 34th JWG of VAP was held in Washington DC in 2022.

39. There are more than 200 active collaborations between the National Institutes of Health network of labs and leading research agencies, to deliver affordable health-care solutions. India

supplies about 40% of generic formulations marketed in USA. Indian pharma companies have manufacturing locations in about 14 locations in USA and largest US Food and Drug Administration compliant pharmaceutical plants. Indian Institutions are collaborating to promote Ayurveda.

40. The India-US Health Dialogue is led by the Ministry of Health and Family Welfare of India and US Department of Health and Human Services. In 2021, the fourth Dialogue was held in New Delhi.

41. India participated in the US-led Global Action Plan (GAP) launched in February 2022 to bridge policy gaps and end COVID.

42. Under the US initiative, Cancer Moonshot, India's DBT and US National Cancer Institute facilitate public and private sector's commitments to reduce the burden of cancer in India.

### **Education & Cultural Cooperation**

43. Education partnership is an important pillar of India-US ties with strong linkages and history of higher education collaborations. Under the Fulbright-Nehru binational Program, both countries support Fulbright-Nehru scholarships and grants to US and Indian scholars, professionals and students. The Global Initiative of Academic Networks (GIAN) was launched by India in 2015 to facilitate visits by 1000 U.S. teachers annually to teach in India. GIAN has been extended to other countries also.

44. The India-U.S. Working Group on Education and Skill Development (WGESD) was launched in May 2023 to focus on skilling and vocational education, certification and recognition, matchmaking between higher educational institutions and engaging with private sector.

45. The U.S. is one of the most favored destinations of Indian students for higher education. As of September 2023, there are 320,260 Indian students, mostly in graduate (Masters) programs in STEM fields. As per the US State Department's website, Indian students in the US contribute about \$7.7 billion annually to the US economy.

46. In September 2023 the Council of Indian Institutes of Technology (IIT Council), and the Association of American Universities (AAU) signed an MOU to establish India-US Global

Challenges Institute which will bring together leading research and higher-education institutions for S & T collaboration in sustainable energy and agriculture, health and pandemic preparedness, semiconductor technology and manufacturing, advanced materials, telecom AI, and quantum science.

47. The academic collaboration has been multifaceted, encompassing joint research, faculty and student exchange programs, joint degree programs and other activities. There are growing multi-institutional collaborative education partnerships in critical and emerging technologies. IIT Bombay joined the Chicago Quantum Exchange as an international partner. Several IITs have strong ongoing academic research partnerships with universities in the US.

48. Cultural cooperation is rich. There are India-focused educational programs in institutions and private institutions. Indian Embassy and Consulates organize cultural events to showcase that the Universities and educational institutions and private institutions. Indian Embassy and Consulates organize cultural events to showcase diverse facets of Indian culture in association with reputed U.S. institutions such as the Library of Congress, the Smithsonian, The J.F. Kennedy Center for the Performing arts, The Wolf Trap, Gandhi Memorial Center, Meridian International Center, Asia Society etc. Artists and technical experts from both countries undergo training in institutions in the U.S. and India cinema, museums, theater, etc. Programs highlighting Indian cultural heritage and initiatives such as International Day of Yoga, International Year of Millets, Mission LiFE, Ayurveda day are organized with participation of Indian Diaspora and Friends of India. Indian Diaspora cultural organizations actively promote Indian culture especially in younger generation. Indian students in US Universities actively celebrate Indian festivals.

### **Diaspora/People-to-People ties**

50. About 4.4 million Indian Americans/Indian origin people reside in the US. Persons of Indian origin (3.18 million) constitute the third largest Asian ethnic group in the US. There are many Indian American community organizations and professional organizations of Indian Americans. Indian Americans are one of the most successful communities and excel in diverse fields, including politics. The Indian diaspora has been a catalyst in cementing closer ties between India and the U.S. There are five persons of Indian origin in the U.S. Congress.

51. The last meeting of the India-US Consular Dialogue was held in Washington DC in April 2023.

*October 2023*

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