

18-10/2017-IP

**Government of India
Ministry of Communications
Department of Telecommunications
(Investment Promotion Division)
20, Ashoka Road, New Delhi-110001**

Dated the 11th September, 2024


Notice for inviting Stakeholders' Comments

In pursuance of DPIIT's Public Procurement (Preference to Make in India) Order, 2017- Revision dated 19-7-2024 (referred as DPIIT PPP-MII order), it is proposed to issue DoT's PPP-MII revised notification as per the attached draft notification (Also posted on DoT website at <https://dot.gov.in/public-procurement-preference-make-india>).

2. The comments / suggestions of the stakeholders are solicited on the DoT's draft PPP-MII notification. Any comment / suggestion regarding local capacity and local competition of any telecom product must be supported with verifiable data such as major domestic companies manufacturing the product alongwith value of local content and capacity of production, Total Domestic sales, Total export/import, Sales to public entities etc.. Comments on inputs to be qualified as local content must be supported with verifiable data / research reports.

3. The comments / suggestion if any may be furnished within 15 days of issue date of this notice. The comments are to be sent to email-id dirip.hq-dot@nic.in and amitupadhayay.edu@nic.in .

Encl: As above


11/09/2024
(Alok Ranjan)
Director (IP)

To,

Director (IT), DoT HQ for uploading on the DoT website

**[To be published in the Gazette of India, Part I, Section 1]
EXTRAORDINARY**

**No. 18-10/2017-IP
Government of India
Ministry of Communications
Department of Telecommunications**

New Delhi, September, 2024

Notification

**Subject: Public Procurement (Preference to Make in India) Order 2017-
Notification of Telecom Products, Services or Works - regarding.**

**Reference: i) Department of Industrial Policy & Promotion (DIPP) Order No. P-45021/2/2017-B.E.-II dated 15.06.2017
ii) Department of Industrial Policy & Promotion (DIPP) Order No. P-45021/2/2017-PP (BE-II) dated 28.05.2018 – Revision
iii) Department for Promotion of Industry & Internal Trade (DPIIT) Order No. P-45021/2/2017 (B.E.-II) dated 29.05.2019 – Revision
iv) Department for Promotion of Industry & Internal Trade (DPIIT) Order No. P-45021/2/2017 (B.E.-II) dated 04.06.2020 – Revision
v) Department for Promotion of Industry & Internal Trade (DPIIT) Order No. P-45021/2/2017 (B.E.-II) dated 16.09.2020 – Revision
vi) Department for Promotion of Industry & Internal Trade (DPIIT) Order No. P-45021/2/2017-PP (B.E.-II)-Part(4) Vol.II dated 19.07.2024 – Revision**

The Government had issued the Public Procurement (Preference to Make in India), Order 2017 (hereinafter called as “PPP-MII Order”) vide the erstwhile Department of Industrial Policy and Promotion (DIPP) Order No. P-45021/2/2017-B.E.-II dated 15.06.2017 which was further revised vide Orders dated 28.05.2018, 29.05.2019, 04.06.2020, 16.09.2020 and 19.07.2024 to encourage ‘Make in India’ and to promote manufacturing and production of goods and services in India with a view to enhancing income and employment.

2. Accordingly, the Department of Telecommunications, in suppression of its previous notifications No. 18-10/2017-IP dated 29.08.2018 and 31.08.2021, hereby issues this notification.

3. This Notification shall be applicable in respect of the procurement made by all attached or subordinate offices or autonomous bodies under the Government of India including Government Companies as defined in the Companies Act, and/or the States and Local Bodies making procurement under all Central Schemes/ Central Sector Schemes where the Scheme is fully or partially funded by the Government of India. This Notification shall also be applicable in respect of projects wherein funding of goods, services or works is by the Universal Service Obligation Fund (USOF).

4. In terms of Clause 2, 3 and 11 of the PPP-MII Order dated 19.07.2024, it is hereby notified that telecom products, services and works listed in **Table-A** have sufficient local capacity and local competition. A Class-I local supplier must meet the Minimum Local Content (MLC) requirement specified against each item in Table-A. Table-A also specifies the maximum ceiling of LC percentage for design out of total LC against each item. The conditions for the inputs to be qualified as Local Content (LC) are specified in Table-B.

5. In accordance with clause 2A of the PPP-MII Order dated 19.07.2024, the list of manufacturers manufacturing products under the PLI scheme for Telecom and Networking products and having received incentive will be published and uploaded from time to time on <https://dot.gov.in/public-procurement-preference-make-india> and <https://pli-telecom.udyamimitra.in/> . Such manufacturers will be treated as deemed Class-II local suppliers for the products specified in the list and upto the specified period.

6. In terms of clause 9 (a) of PPP-MII Order dated 19.07.2024, a supplier at the time of tender, bidding or solicitation shall provide self-certification in Form-1 specifying that the item(s) offered meet the minimum local content requirement and shall give details of the location(s) at which the local value addition is made.

7. In terms of clause 9 (e) of the DPIIT Order dated 19.07.2024, the following Committee is hereby constituted to examine complaints and conduct independent verification of self-declarations and auditor's/accountant's certificates regarding Local content on random basis:

- | | |
|---|--------------|
| a) DDG (TC), TEC, New Delhi | -Chairperson |
| b) Director (Technical), C-DOT | - Member |
| c) Any other member(s) as co-opted by the chairperson | - Member |
| d) DG, TEPC | - Member |

- | | |
|----------------------------|------------|
| e) Director (Finance), DoT | - Member |
| f) Director (IP) | - Member |
| g) Director, TEC | - Convener |

8. In terms of clause 9 (f) of PPP-MII Order dated 19.07.2024, a complaint fee of Rs. 2 Lakh or 1% of the value of the locally supplied telecom products, services or works being procured (whichever is higher, up to a maximum of Rs. 5 Lakh) must be paid by Demand Draft or online, and to be deposited with Telecommunications Engineering Centre (TEC), along with the complaint by the complainant. If the complaint is found to be incorrect, the complaint fee shall be forfeited. However, if the complaint is upheld in part or full, deposited fee of the complainant will be refunded without any interest.

9. The Committee's findings shall be forwarded to the procuring entity for appropriate action in accordance with Clause 9 of the PPP-MII Order dated 19.07.2024.

10. For the products, services or works listed in **Table-A** that have an associated TEC GR/IR, the procuring entity must specify the relevant TEC GR/IR as the minimum requirement.

11. The condition of prior turnover and prior experience may be relaxed for Start-ups (registered by Department for Promotion of Industry and Internal Trade), provided that the Start-up meet the necessary quality & technical specifications.

12. To support and promote indigenous technologies, Proof of Concept (PoC) may be included in tenders and RFPs as a substitute for qualifying experience, wherever applicable.

13. The bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class-I local suppliers/Class-II local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

14. This Notification comes into effect from the date of notification. It is clarified that, except specific conditions contained in this notification, all the other conditions of the Public Procurement (Preference to Make in India) Order 2017 as amended from time to time shall prevail and are to be followed strictly.

Table-A

S. No.	Product Category	HSN code	Product Details	Minimum Local Content (MLC) (in %)	Ceiling of LC for Design out of total LC (in %)
1	Encryption/ UTM (Unified threat management) platforms (TDM and IP)	85176290	TDM (Time Division Multiplex)	65	55
			IP (Internet Protocol)	65	55
2	IP/ MPLS Core routers/ Edge/Aggregation/ Router	85176290	IP Edge, Aggregation & Core Routers (interfaces generally of 10 Gbps and overall capacity <=1 Tbps)	60	40
			Cell Site Router (CSR); (Overall capacity ≤1.2 Tbps) including virtual routers	60	40
			SD-WAN Routers (SDN Category) (Interface Capacity =<10 Gbps)	60	40
3	Managed Leased Line Network Equipment, IP Based access systems-DSL	85176290, 85176990	Central Office Equipment and CPEs of DSL/HDSL/S-HDSL	60	40
4	Ethernet Switches (L2 and L3)	85176290	L2/L3 Ethernet Switches 1-100 GbE interface Switches (stackable / standalone / modular switches), for Core / Distribution / Access Layers (including PoE/PoE+)	60	40

			Layer L2/L3 ≤100GbE Core Switches	60	40
			Industrial Grade LAN 1, 10 GbE PoE/PoE+/Non-PoE Switches (Power over Ethernet)	60	40
5	IP based Soft Switches, IMS, Unified Communication Systems	85176290, 85176990	IP PBX / Unified Communication Systems(UCS)	60	40
			UCS (non-IMS based):	60	40
6	Wireline PABXs / IP PBX	85176290	Wireline PABXs / IP PBX	65	45
7	Media Gateways	85176290, 85176990	Media Gateways	65	45
8	Customer Premises Equipment (CPEs) (including Wi-Fi Access points, low capacity Routers, Media Converters), CPE - NFV/ SDN/ Leased-line Modems	85176290, 85176990	CPE (including Wi-Fi Access points and Routers),	50	30
			Media convertor	50	30
			TDM over IP Converter	50	30
			CPE - NFV/ SDN (Virtualized CPE with cloud management)	50	30
			Leased-line Modems n* 2Mbps / IP	50	30
9	SDH/ NG-SDH	85176290	SDH/ NG-SDH (STM 1/4/16/64)	65	45
10	Ethernet/MPLS- TP/ Packet Optical Transport equipment/ PTN systems	85176290	MPLS- TP / Packet Optical Transport equipment/ PTN (with or without OTN interfaces) systems	65	45
11	CWDM systems	85176290	CWDM (Nx100G,	60	40

			Nx10G)		
12	DWDM systems	85176290, 85176270	DWDM (upto 10G) with Mux/De MUX with Transponder / Muxponder; ROADM (Reconfigurable Optical Add Drop Multiplexer), Passive DWDM MUX/DeMUX	60	40
13	GPON/XGPON equipment (including ONT and OLT)	85176290, 85172990	GPON/ XGPON equipment (including ONT and OLT)	60	40
14	XGS-PON equipment (including ONT and OLT)	85176290, 85172990	XGS-PON (10G DS – 10G US) (including ONT and OLT)	60	40
15	SDH/ PDH Cross Connects	85176290	SDH/ PDH Cross Connects (STM : 1/4/16/64; E1/E3/DS3; Ethernet interfaces)	60	40
16	Small Size Radio Sub System	85176290	Micro 2G BTS	60	40
17	LTE/ LTE-R Based Mobile Systems, with its various derivatives	85176290, 85176990	Macro eNode B, Category 2, as per TEC ENB GR (TDD/FDD)	60	40
			Micro eNodeB, Category 2, as per TEC ENB GR (TDD/FDD)	60	40
			Pico eNodeB, Category 2, as per TEC ENB GR (TDD/FDD)	60	40
			Home Base Station/ Femto (Enterprise grade)	60	40
			EPC (Enterprise class)	60	40
			4G NIB Small cell	60	40

18	Wi-Fi based broadband wireless access systems - indoor	85176290, 85176990	Indoor AP (802.11 ax MIMO, 2.4 & 5 GHz bands)	55	35
			Indoor AP (802.11 ac MIMO, 2.4 & 5 GHz bands)	55	35
19	Wi-Fi based broadband wireless access systems - Outdoor	85176290, 85176990	Outdoor AP (802.11ac - MIMO 2.4 and 5 GHz bands) - IP67 Rated	55	35
			Outdoor AP (802.11ax MIMO, 2.4 & 5 GHz bands)	55	35
20	Wi-Fi Access Controller (with interoperability and multi-vendor AP support)	85176290	Type 1: <= 2000 AP support	55	35
			Type 2: upto 5000 AP support	55	35
21	Authentication, Authorization and Accounting(AAA) Server	85176290	AAA Block (Radius)	50	35
			AAA Block (Radius/ Diameter)	50	35
22	Radio systems (IP/ Hybrid)	85176290	Radio systems (IP/ Hybrid) (5 GHz band - License Exempt band)	55	35
23	Software Defined Radio, Cognitive Radio systems	85176290	Ruggedised handheld, Ruggedised or non-ruggedised vehicle mounts, P2P OR P2MP or Mobile adhoc topology, Unlicensed band operation	55	35

24	Repeaters (RF/RF-over-Optical), IBS and Distributed Antenna systems (indoor / outdoor)	85176290, 85177100	Repeaters (RF/RF-over-Optical), IBS and Distributed Antenna systems (indoor / outdoor) including Active & Passive Accessories	60	40
25	VSAT Terminal Subsystem – ODUs/	85176290, 85256091	Antenna	50	25
26	VSAT Hub Subsystems	85256091	NMS H/W & S/W	50	25
			Antenna (>=7m) and accessories etc.	50	25
27	Satellite Phones(S Bands)	85176990	Both Voice and Data (upto 9.6 Kbps)	50	25
28	Disaster communication Systems etc., including backpack satellite products (S Band)	85176990	Portable Terminals Voice and Data (2 Mbps UL)	50	25
29	Satellite based Systems, terminals including location, resources tracking (L, S and Ku, Ka bands)	85176990	Two way MSS Data Terminals (Satellite Receivers with location data) S - Band (Satellite IoT devices for various applications i.e. position tracking, messaging etc.)	50	25
			One Way Receivers MSS Data Terminals (Satellite Transmitters & Receivers - one way) S – Band (Simplex / Half-duplex, Mobile Satellite Service (MSS) terminal, Satellite IoT devices)	50	25

30	Telecom Network Management systems (NMS) with its various derivatives	85176290		65	50
31	Optical Fibre	9001000	Single Mode / Multimode Optical Fibre	50	0
32	Optical Fiber Cable	85447090	Optical Fiber Cable (UG & OH)	55	0
33	Telecom Power System (Including Solar Power)	85176990	UPS, Power Plant, Invertor (Including Solar Power) 0.5-1500 KVA/ Power Plant: 1-2000 KVA (Modular)	55	30
34	Telecom Batteries (Lead Acid)	85176990	Lead Acid up to 5000 AH (Including VRLA)	55	30
35	IP Audio/ Video phones / Adaptor	85176990	IP Audio/ Video phones / Adaptor	50	15
36	IP/ Internet Set-top Box	85176990	IP/ Internet Set-top Box	55	35

MLC%- Minimum Local Content as a percentage of total Bill of Material (cost of production) to qualify as Make in India Telecom Products, Services or Works.

Table-B
Main Inputs /stages for manufacture of telecom products & conditions for the inputs to be qualified as Local Content

Main Inputs /stages for manufacture of telecom products *	Conditions to be met for the inputs to be qualified as Local Content
1) Design (a) Hardware design (b) Software Design & Development	The maximum Local Content (LC) percentage for Design which can be claimed by a Local manufacturer for the telecom products based on in-house/in country R&D costs incurred/amortized to create IPR in India are as per Table-A (last column) subject to additional conditions that: (a) The Intellectual Property Right (IPR) reside in India for Hardware Design; and (b) The Copyright is in India for the software Design & Development.
2) Components [#] (a) Active components – Transistors, Diodes etc. (b) Passive Components – Resistors, Capacitors, Inductors etc.	Should be Manufactured in India
3) PCB Fabrication	Should be Manufactured in India
4) Cables/Chassis etc. (a) Chassis (b) Cables (c) Racks (d) Heat sinks (e) Enclosures	Should be Manufactured in India
5) RF Components/Subsystem (a) Duplexers/Filters (b) Antenna	Should be Manufactured in India
6) Assembly/Integration/Testing ^{##}	The upper ceiling limit of Domestic Local Content (LC) for Assembly/ Integration/ Testing in respect of the telecom products listed in Table-A would be 10% of the total product Bill of Material.

* The product may include some/all of the input/stage as mentioned above. While calculating the local content only those inputs/stages will be considered which are relevant in the manufacturing of the telecom product.

While calculating % local content in a product, cost of Integrated chips (ICs) – Processor, Memory etc. shall be excluded from the total Bill of Material. This shall be reviewed when sufficient Semiconductor FABs are operational in India.

#In case a system or subsystem is merely assembled / integrated / tested, then actual Local Content shall be taken as up to 10% of the cost of system / subsystem.

Form 1

Format for Self Certification regarding Local Content (LC) for Telecom Product, Services or Works

Date:

I _____ S/o, D/o, W/o , Resident of _____ do hereby solemnly affirm and declare as under:

That I agree to abide by the terms and conditions of Department of Telecommunications, Government of India issued vide Notification No:_____ dated_____.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any other authority so nominated by the Department of Telecommunications, Government of India for the purpose of assessing the LC.

That the LC for all inputs which constitute the said Telecom Product/Services/Works has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the LC of the Telecom Product/Services/Works mentioned herein is found to be incorrect and not meeting the prescribed LC norms, based on the assessment of an authority so nominated by the Department of Telecommunications, Government of India, **I will be liable for actions as specified in Clause (9) of the DPIIT PPP-MII Order dated 19.07.2024.**

I agree to maintain detailed breakup / information (separately for each product) to substantiate my claim for LC in the Company's record for a period of 2 years and shall make this available for verification to any authority. I shall also maintain records of local content pertaining to items bought from other domestic manufacturers / traders.

[Please provide following information]

- i Name and details of the local supplier (Registered Office, Manufacturing unit location, nature of legal entity)
- ii. Date on which this certificate is issued
- iii. Telecom Product/Services/Works for which the certificate is produced
- iv. Procuring agency to whom the certificate is furnished
- v. Percentage of LC claimed
- vi. Name and contact details of the unit of the manufacturer
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material

- xi. List and total cost value of inputs used for manufacture of the Telecom product/Services/Works
- xii. List and total cost of inputs which are locally sourced. Please attach LC certificates from local suppliers, if the input is not produced in-house.
- xiii. List and cost of inputs which are imported, directly or indirectly

I hereby certify that the local content calculation does not include the following:

- a. Imported items sourced locally from resellers/distributors.
- b. The license fees / royalties paid/ technical charges paid out of India
- c. Procurement / supply of repackaged / refurbished/rebranded imported products

I hereby also certify to the best of my knowledge and belief that all the particulars furnished above are correct and complete. I agree to comply with the terms and conditions of the DPIIT PPP-MII order dated 19.07.2024 and DoT PPP-MII Notification dated.....

I understand that any incorrect declaration regarding the local content or failure to substantiate the claim of LC will result in penalties as specified in Clause (9) of the DPIIT PPP-MII Order dated 19.07.2024.

Signature:

Name:

Designation: CEO/MD

Address:

Email Address:

Mobile No.:

Place:

Date:

List of Acronyms used in the notification

Sl No.	Acronyms	Expansion
1.	AAA	Authentication Authorization & Accounting
2.	AMC	Annual Maintenance contract
3.	AP	Access Point
4.	BBU	Base Band Unit
5.	BIS	Bureau of Indian Standard
6.	B-RAS	Broadband Remote Access Server
7.	BTS	Base Transceiver Station
8.	CDOT	Centre for Development of Telematics
9.	CMC	Comprehensive Maintenance Contract
10.	CPE	Customer Premise Equipment
11.	CS	Central Scheme
12.	CSR	Cell Site Router
13.	CSS	Central Sector Scheme
14.	CWDM	Coarse Wavelength Division Multiplexing
15.	DIPP	Department of Industrial Policy and Promotion
16.	DoT	Department of Telecommunications
17.	DPIIT	Department for Promotion of Industry and Internal Trade
18.	DSL	Digital Subscriber Line
19.	DSLAM	Digital Subscriber Line Access Multiplexer
20.	DWDM	Dense Wavelength Division Multiplexing
21.	e-node B (ENB)	Evolved node B
22.	EPC	Engineering Procurement Construction
23.	FDD	Frequency Division Duplexing
24.	gNB	Next Generation Node B
25.	GFR	General Financial Rules
26.	GPON	Gigabit Passive Optical Network
27.	GR	Generic Requirements

28.	GSM	Global System for Mobile
29.	HDSL	High bit-rate Digital Subscriber Line
30.	IBS	Integrated Building System
31.	IC	Integrated Chip
32.	IMS	IP Multimedia Subsystem
33.	IOT	Internet of Things
34.	IP	Internet Protocol
35.	IPR	Intellectual Property Right
36.	IR	Interface Requirement
37.	LAN	Local Area Network
38.	L-2	Layer Two
39.	L-3	Layer Three
40.	LC	Local Content
41.	Li-ion	Lithium-ion
42.	LTE	Long Term Evolution
43.	LTE-R	Long Term Evolution-Railway
44.	MIMO	Multiple Input Multiple Output
45.	MLC	Minimum Local Content
46.	MPLS	Multi-protocol Label Switching
47.	MPLS-TP	Multiprotocol Label Switching-Transport Profile
48.	MSS	Mobile Satellite Service
49.	MUX	Multiplexer
50.	NFV	Network Function Virtualization
51.	NG-PON2	Next Generation Gigabit Passive Optical Network 2
52.	NIB	Network in Box
53.	NMS	Network Management System
54.	OADM	Optical Add-Drop Multiplexer
55.	ODU	Outdoor Unit
56.	OLT	Optical Line Terminal

57.	ONT	Optical Network Terminal
58.	OTN	Optical Transport Network
59.	P2P	Point to Point
60.	P2MP	Point to Multi Point
61.	PABX	Private Auto Branch Exchange
62.	PBX	Private Branch Exchange
63.	PCB	Printed Circuit Board
64.	PDH	Plesiochronous Digital Hierarchy
65.	PMI	Preference to Make in India
66.	PTN	Packet Transport Network
67.	PoC	Proof of Concept
68.	PoE	Power over Ethernet
69.	PPP-MII	Public Procurement (Preference to Make in India)
70.	PTN	Packet Transport Network
71.	ROADM	Reconfigurable Optical Add-Drop Multiplexer
72.	R&D	Research and Development
73.	RF	Radio Frequency
74.	S-HDSL	Single pair High speed Digital Subscriber Line
75.	SDH	Synchronous Digital Hierarchy
76.	SDN	Software Defined Network
77.	SD-WAN	Software Defined - Wide Area Network
78.	STM	Synchronous Transport Module
79.	TDD	Time Division Duplexing
80.	TDM	Time Division Multiplexing
81.	TEC	Telecommunication Engineering Centre
82.	TEPC	Telecom Export Promotion Council
83.	UCS	Unified Communication System
84.	UL	Unified License
85.	USOF	Universal Service Obligation Fund

86.	UTM	Unified Threat Management
87.	VRLA	Valve Regulated Lead Acid
88.	VSAT	Very Small Aperture Terminal
89.	Wi-Fi	Wireless Fidelity
90.	XG-PON	10 Gigabit Passive Optical Network
91.	XGS-PON	10 Gigabit Symmetrical Passive Optical Network

(Ashok Kumar Jain)
Deputy Director General

Copy to:

1. All Ministries/ Departments of Government of India.
2. Cabinet Secretariat / PMO / NITI Aayog / Comptroller & Auditor General of India.
3. PS to Hon'ble Minister of Communications.
4. PS to Hon'ble Minister of State for Communications.
5. PPS to Secretary (Telecom)/Additional Secretary (T)/Administrator, USOF.
6. PPS to Member (T) / Member(S) / Member(F) / Advisor(T) / Advisor(O) / Wireless Advisor.
7. Sr. DDG, TEC, Khurshid Lal Bhawan, New Delhi.
8. JS (A)/JS (T)/CVO/All DDGs.
9. All PSUs/Autonomous bodies under Department of Telecommunications.

(Ashok Kumar Jain)
Deputy Director General