

Sl. No.	Electrical Equipment for Generation, Transmission and Distribution sectors with sufficient local capacity and competition	Class-I Local Supplier (Minimum Local Content (%))
137	Ash water & ash slurry pumps	60
138	Compressors, air dryers & air receivers	50
139	Ash water recovery system	60
	<b>Raw Water Intake &amp; Supply System</b>	
140	Travelling water screens	60
141	Raw water supply pumps	60
142	Valves, RE joints etc.	60
	<b>Water Treatment System and Effluent Treatment System</b>	
143	Clarification plant	60
144	Filtration plant	60
145	Ultra filtration plant	50
146	Reverse Osmosis (RO) plant and its membrane	55
147	De-Mineralised water plant (DM Plant)	60
148	Chlorination plant	60
149	Chemical dosing system	60
150	Effluent Treatment Plant	60
	<b>Circulating Water (CW) &amp; Auxiliary Circulating Water (ACW) System</b>	
151	CW & ACW Pumps	60
152	Butter Fly (BF) valves, Non-return Valves (NRVs) etc.	60
153	Rubber Expansion (RE) joints	60
154	Air release valves	60
	<b>Cooling Towers (NDCT/ IDCT)-Natural-Draft and Induced Draft Cooling Tower</b>	
155	Water Distribution System	60
156	Spray nozzles	60
157	Packing	60
158	Drift eliminators	60
159	Cooling Tower (CT) Fans (for Induced Draft Cooling Towers IDCT)	60
160	Gear boxes, shafts & motors (for IDCT)	60
	<b>Air Conditioning &amp; Ventilation System</b>	
161	Split & window air conditioners	60
162	Chilling/ condensing unit [upto 500 ton of refrigeration(TR)]	55
163	Air Handling Unit (AHU) and Fresh air unit	60
164	Cooling Towers	60
165	Air Washing Units (AWUs), axial fans, roof extractors	60
166	Ducts, louvers & dampers	60
	<b>Flue Gas Desulphurization (FGD)</b>	
167	Spray Nozzles,	50
168	Spray header	50
169	Oxidation Blowers	50
170	Limestone wet Ball Mill	50
171	Slurry Handling Pumps for FGD system	50
172	Booster Fans for FGD system	50
173	Carbon Steel Ducts and Dampers for FGD	60
174	Storage Tanks and Silos	60
175	Process Water Pump for FGD system	50
	<b>(D) Other Common Items</b>	
	<b>Fire protection and detection system</b>	
176	Motor driven fire water pumps	60
177	Diesel engine driven fire water pumps	60
178	Hydrant system for the power plant.	60
179	High velocity water spray system	60
180	Medium velocity water spray system	60
181	Foam protection system	60
182	Inert gas flooding system	60

Sl. No.	Electrical Equipment for Generation, Transmission and Distribution sectors with sufficient local capacity and competition	Class-I Local Supplier (Minimum Local Content (%))
183	Fire tenders	60
184	Portable fire-extinguishers	60
185	Cranes, EOT cranes, gantry crane & chain pulley blocks etc.	60
186	Elevator	60

**(E) Minimum Local Content percentages in Engineering, Procurement & Construction (EPC) / Turnkey project**

In case the contract is awarded through the EPC route, the contractor should comply with the requirement of MLC for individual items as listed in Annexure-I and should purchase these items only from Class-I Local supplier. In addition, MLC for complete EPC project may also be prescribed as below:

	(1) Package Based Works	Minimum Local Content (%)
1	Boiler	60
2	TG System ( Water Cooled Condenser)	60
3	Ash Handling Plant	60
4	Coal Handling Plant	60
5	Electro-static Precipitator (ESP)	60
6	Circulating Water (CW) System	60
7	Cooling Tower	60
8	Water Treatment System	60
9	Air Conditioning System ( below 500TR)	60
10	Flue Gas Desusphurisation (FGD) System	60
11	Station Control & Instrumentation (C&I)	50
12	Hydro Power Projects (Electro-Mechanical Works)	60
	<b>Gas based generation</b>	
	<b>Overall Gas Turbine Package (on finished Product basis)</b>	
13	< 44 MW	60
14	44 –145 MW	50
	<b>Overall Combined Cycle Gas Turbine (CCGT) Package (on finished Product basis)</b>	
15	< 44 MW	60
16	44 – 145 MW	60
17	> 150 MW	60
	<b>(2) Project as a whole</b>	
1	Works and service contracts in Power Sector	60
2	Transmission Line with Conventional conductors (ACSR, AAAC, AL-59 etc.)	60
3	Transmission Line with High temperature Low Sag (HTLS) conductors	60
4	HVAC Substation Air Insulated (AIS)	60
5	HVAC Substation Gas Insulated (GIS)	60
6	HVDC Substation	60
7	Distribution Sector	60

## Annexure-II

### **General guidelines to be adopted selectively in an appropriate manner by the procuring entities in their tender documents.**

1. The bidder shall have to be an entity registered in India in accordance with law.
2. The bids shall be in the language as prescribed by the tenderer/procurer.
3. The bids shall be in Indian Rupees (INR) (in respect of local content only).
4. Indian subsidiaries of foreign bidders shall have to meet the qualifying criteria in terms of capability, competency, financial position, past performance etc.
5. The bidder shall follow Indian laws, regulations and standards.
6. To be eligible for participation in the bid, foreign bidders shall compulsorily set up their manufacturing units on a long term basis in India as may be specified by the tenderer/ procurer.
7. Similar or better technology than the technology offered in respect of material, equipment and process involved shall be transferred to India. Along with the transfer of technology, adequate training in the respective field shall also be provided.
8. Country of origin of the equipment/material shall be provided in the bid.
9. For supply of equipment / material from the country of origin other than India, the bidder shall submit performance certificate in support of satisfactory operation in India or a country other than the country of origin having climatic and operational conditions including ambient temperature similar to that of India for more than \_\_\_\_\_ years (to be specified by the procurer).
10. The technologies/ products offered shall be environmental friendly, consuming less energy, safe, energy efficient, durable and long lasting under the prescribed operational conditions.
11. The supplier shall ensure supply of spares, materials and technological support for the entire life of the project.
12. The manufacturers/ supplier shall list out the products and components producing Toxic E-waste and other waste as may be specified. It shall have an Extended Producers Responsibility (EPR) so that after the completion of the lifecycle, the materials are safely recycled / disposed of by the Manufacturer/ supplier and for this, the Manufacturer/supplier along with procurer has to establish recycling / disposal unit or as may be specified.
13. Minimum Local Content requirement for goods, services or works shall be in accordance with the conditions laid down in respective Order(s) of the sectors on Public Procurement (Preference to Make in India) to provide for purchase preference (linked with local content).

14. The equipment/ material sourced from foreign companies may be tested in accredited labs in India before acceptance wherever such facilities are available.
15. The Tender fee and the Bank Guarantee (BG) shall be in Indian Rupees only.
16. The bidder shall have to furnish a certificate regarding cyber security/safety of the equipment/process to be supplied/services to be rendered as safe to connect.
17. Applicable safety requirements shall be met. Regular safety audit shall be carried out by the manufacturer/ supplier.
18. Statutory laws/regulations including the labour and environmental laws shall be strictly complied with during supply, storage, erection, commissioning and operation process. A regular compliance report shall be submitted to the procurer/appropriate Authorities.
19. Formation of new joint venture in India shall be permitted only with the Indian companies.
20. Tendering by the agent shall not be accepted.
21. In case local testing is not considered necessary by the procurer, the original test report in the language prescribed by the procurer may be accepted. The translated test report shall not be accepted unless it is notarised.
22. Certification/compliance as per the Indian Standards/ International Standards/ Indian Regulations/ specified Standards shall be mandatory, where ever applicable.
23. Quality assurance of the product shall be carried out by the procurer or an independent third party agency appointed by the procurer. Manufacturing Quality Plan as approved by the procurer shall be followed by the manufacturer/supplier.
24. Wherever required by the procurer, foreign supplier shall establish fully functional service centers in India and shall keep spares/material locally for future needs of utilities.
25. Arbitration proceedings shall be instituted in India only and all disputes shall be settled as per applicable Indian Laws.



**No. A-1/2021-FSC-Part(5)**  
**Government of India**  
**Ministry of Power**

Shram Shakti Bhawan, Rafi Marg,  
New Delhi, dated 20.02.2023

**OFFICE MEMORANDUM**

**Subject: Grievances on non-compliance of Public Procurement (Preference to Make in India) Orders and non-compliant tenders-regarding.**

The undersigned is directed to refer to the Public Procurement (Preference to Make in India) (PPP-MII) Order dated 16.11.2021 (copy enclosed) issued by Ministry of Power pursuant to the latest Notification No. P-45021/2/2017-PP(BE-II) dated 16.09.2020 issued by Department for Promotion of Industry & Internal Trade's (DPIIT) in respect of PPP-MII Order 2017 issued by DPIIT.

2. Attention is also drawn towards Committee of Secretaries (CoS) meeting held on 13.02.2023 on compliance of Public Procurement (Preference to Make in India) order 2017. In the said meeting CoS has taken a serious note of the following issues:

- a) No response on issues raised and shared by DPIIT, in large number of cases, from procurement entities/Ministries/Department concerned regarding non-compliant tenders.
- b) Delays in taking action and submission of closure reports by procurement entities/Ministries/Department, on the grievances received and shared by DPIIT.
- c) Imposition of restrictive/discriminatory conditions in the tenders, by procurement entities, for example; Restrictive & Discriminatory eligibility criteria-foreign certifications, excessive experience etc; Tenders asking for foreign/ specific brands; PPP-MII provisions not incorporated; Specifications tailor made to suit foreign products; Global tenders invited when products available locally etc.
- d) Imposition of excessive turnover requirements by procurement entities which is not only violative of PPP-MII Order 2017 but also violates General Financial Rules (GFR).
- e) Providing certificate for "Item not available locally" on GeM without due diligence and proper checking, by procurement entities concerned.

3. With respect to the above mentioned observations of the Committee of Secretaries (CoS), all the divisions in the Ministry of Power and all the organizations under the Ministry of Power are hereby directed to ensure the following:

- Strict and full compliance of PPP-MII Order 2017, in letter and spirit.

- Any compliant/ grievances forwarded by DPIIT should be dealt promptly and corrective action to be taken immediately in consultation with CEA and other concerned authorities.
  - Immediate response should be sent to DPIIT on any issue/concern shared by it with respect to any Tender.
  - Proper checking should be ensured before providing certificate for "Item not available locally" on GeM.
4. It is further informed that it will be the responsibility of the Division Heads in the Ministry of Power and Heads of the Organizations/CMDs to ensure non-recurrence of the concerns mentioned in para-2 and compliances mentioned in para-3.
5. This issues with the approval of Secretary (Power).



(Anoop Singh Bisht)

Deputy Secretary to the Govt. of India

Email: anoopsingh.bisht@nic.in

**To:**

1. Chairperson, CEA
2. CMDs of CPSEs (as per list), CMD NLC, Chairman of DVC/ BBMB/ EESL, DGs of BEE/ CPRI/ NPTI
3. All Additional Secretaries/ JSs/ EA/ CE, Ministry of Power

**Copy to:**

1. Director (Technical), NIC with a request to publish the Order on the website of Ministry of Power
2. Shri Ravindra Pratap Singh, Director, Cabinet Secretariat

## List of CPSEs

1. REC Ltd.
2. Powergrid Ltd.
3. NTPC Ltd.
4. NHPC Ltd.
5. PFC Ltd.
6. NEEPCO Ltd.
7. THDC India Ltd.
8. SJVN Ltd.
9. Grid Controller of India Ltd.