

**No.11/05/2018-Coord.
Government of India
Ministry of Power**

**Shram Shakti Bhawan, New Delhi
Dated the 17th September, 2020**

ORDER

Sub: Public Procurement (Preference to Make in India) to provide for Purchase Preference (linked with local content) in respect of Power Sector – Revision; regarding.

In partial modification of Ministry of Power's Order No.11/05/2018-Coord dated the 28-07-2020, it has been decided to order the following amendment in the said Order, with immediate effect, namely:-

"Annexure – I referred to in sub-para (ii) of para 3, of the said Order is substituted by a new Annexure-I, as enclosed herewith."

2. All other provisions of the said Order remain unchanged.

B. Neeraja

(B. Neeraja)
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To:

1. All Ministries/ Departments of Government of India (As per list)
2. Secretary (Coordination), Cabinet Secretariat
3. PS to PM, Prime Minister's Office
4. Vice Chairman, NITI Aayog
5. Chief Secretaries of all States/UTs
6. Director General, Comptroller and Auditor General of India
7. Secretary, DPIIT, Chairman of Standing Committee for implementation of Public Procurement Order, 2017
8. Joint Secretary, DPIIT, Member-Convener of Standing Committee for implementation of Public Procurement Order, 2017
9. Chairperson, CEA
10. CMDs of CPSEs/ Chairmen of DVC & BBMB/ MD of EESL
11. All JSs/ EA, MoP

Annexure-I

List of items of goods and services with sufficient local capacity and competition, in procurements of which, only "Class-I local suppliers", shall be eligible to bid, irrespective of purchase value.

A. Transmission Sector- List of equipment pertaining to transmission system of 66 kV and above voltage level.

1. Transformers and Reactors (66 kV to 765 kV AC)
2. Air Insulated Switchgear (Circuit Breakers, Disconnectors), Surge Arrester, Wave trap (66 kV to 765 kV AC)
3. Gas Insulated Switchgear (66 kV to 400 kV AC)
4. Instrument Transformers (66 kV to 765 kV AC)
5. Bus Post Insulators
6. Substation structure material
7. Transmission line tower material
8. Conventional conductors and accessories
9. Porcelain Insulators and hardware fittings
10. Control & power cables
11. High Voltage Cables (upto 220 kV AC)
12. Control and Protection System including Substation Automation System
13. DG set
14. DC system (DC Battery & Battery Charger) in a substation
15. AC & DC Distribution Board for substation
16. Material for Grounding system
17. Items for illumination system

B. Hydro Sector- List of equipment pertaining to Hydro Generating Station.

1. Hydro Turbine & Associated equipment (Francis, Kaplan & Pelton Turbine)

2. Generator & Associated Equipment
3. Generator Transformer & Reactors
4. Main Inlet Valve & Associated Equipment
5. Penstock protection Valve and Associated Equipment
6. Governing system & Accessories

7. Gas Insulated Switchgear/ Gas Insulated Bus Ducts (Up to 400 kV)

8. Switchyard/Pothead Yard Equipment(excluding Transformer and Reactors)
9. Automation and Controls
10. Protection System
11. XLPE Cable (up to 400 kV)
12. Static Excitation System
13. SST,UAT & SAT
14. LV, MV & HV Switchgear
15. LV, MV &HV Bus Ducts
16. DC System
17. Power and Control Cable
18. Illumination system
19. D.G. Set
20. PLCC
21. Grounding System
22. Workshop Equipment
23. EOT Crane
24. Cooling Water System
25. Compressed Air System
26. Drainage/Dewatering System
27. Fire Protection System
28. Heating, Ventilation & Air Conditioning System (HVAC)
29. Elevator
30. Oil Handling System
31. Mechanical BOP Items

C. Thermal Sector- List of equipment pertaining to Thermal Generating Station.

Coal/ lignite based thermal power projects/ plants:

1 Boiler Auxiliaries

- i) Air pre-heater
- ii) SCAPH
- iii) Steam soot blowers (wall blowers & LRSB)
- iv) Auxiliary Steam PRDS
- v) Mill reject system
- vi) Fuel oil system
- vii) Seal air Fan
- viii) Ducts and dampers
- ix) Duct expansion joints
- x) Blowdown tanks

2 Electro- static precipitators (ESPs)

- i) Casing
- ii) Electrodes
- iii) Rapping system
- iv) Hopper heaters
- v) Transformer rectifiers
- vi) Insulators

3 Turbine Auxiliaries

- i) Condensate extraction pumps
- ii) Condenser On line Tube Cleaning System (COLTC)
- iii) Debris filters
- iv) Deaerator
- v) Drain cooler and flash tanks
- vi) ECW pumps
- vii) Plate heat exchangers
- viii) Self- cleaning filters
- ix) Condensate polishing units (CPUs)
- x) Chemical dosing system

4 Generator Auxiliaries

- i) Seal oil system
- ii) Hydrogen cooling system
- iii) Stator water cooling system

5 Electrical Works

- i) Transformers
- ii) Bus ducts
- iii) Motors
- iv) Switchgears
- v) Power & control cables
- vi) Control and metering equipment
- vii) Protective relays
- viii) Switch yard equipment - Insulators, Circuit Breakers, Isolators, Conductors, CTs, PTs, Bushings, surge arresters etc.
- ix) Earthing & Lightning protection system
- x) DC batteries & battery charger system
- xi) Electrical laboratory & testing equipment
- xii) Emergency DG sets
- xiii) Plant illumination system

6 Control & Instrumentation System (C&I System)

- i) Thermocouples
- ii) Measuring instruments
- iii) Burner management system
- iv) Flame scanners
- v) Actuators
- vi) Automation and Control Cards
- vii) PLC System
- viii) SWAS system
- ix) Vibration monitoring system
- x) Interplant communication/ public address system

7 Coal Handling Plant

- i) Conveyors
- ii) Hydraulic drives, hydraulic motor

- iii) Wagon Tippler
- iv) Side Arm Charger
- v) Paddle feeder
- vi) Crushers & Screens
- vii) Dust suppression (dry fog & plain water) system
- viii) Air Compressors
- ix) Magnetic separators & metal detectors
- x) Coal sampling system
- xi) Stacker cum reclaimer
- xii) Belt weighing & monitoring system.

8 Ash Handling System

- i) Clinker grinder
- ii) Water jet ejectors
- iii) Scrapper chain conveyor
- iv) Dry fly ash vacuum extraction system
- v) Pressure pneumatic conveying system
- vi) Ash water & ash slurry pumps
- vii) Compressors, air dryers & air receivers
- viii) Ash water recovery system

9 Raw water intake & supply system

- i) Travelling water screens
- ii) Raw water supply pumps
- iii) Valves, RE joints etc.

10 Water Treatment System and Effluent Treatment System

- i) Clarification plant
- ii) Filtration plant
- iii) Ultra filtration plant
- iv) Reverse osmosis plant
- v) DM plant
- vi) Chlorination plant
- vii) Chemical dosing system
- viii) Effluent Treatment Plant

11 CW & ACW System

- i) CW & ACW Pumps
- ii) BF valves, NRVs etc.
- iii) RE joints
- iv) Air release valves

12 Cooling towers (NDCT/ IDCT)

- i) Water distribution system,
- ii) spray nozzles,
- iii) packing,
- iv) drift eliminators
- v) CT Fans (for IDCT)
- vi) Gear boxes, shafts & motors (for IDCT)

13 Air Conditioning & ventilation system

- i) Split & window air conditioners
- ii) Chilling/ condensing unit
- iii) AHU and Fresh air unit
- iv) Cooling towers
- v) AWUs, axial fans, roof extractors
- vi) Ducts, louvers & dampers

14 Cranes, EOT cranes, gantry crane & chain pulley blocks etc.

15 Fire Protection and Detection System

- i) Motor driven fire water pumps
- ii) Diesel engine driven fire water pumps
- iii) Hydrant system for the power plant.
- iv) High velocity water spray system
- v) Medium velocity water spray system
- vi) Foam protection system
- vii) Inert gas flooding system
- vii) Fire tenders
- viii) Portable fire-extinguishers
- ix) Automatic fire detection, alarm & control system
- x) Fire alarm panels

16 Flue Gas Desulphurization (FGD)

- i) Spray header
- ii) Mist eliminators

D. Power Distribution Sector - List of equipment pertaining to Power Distribution Sector.

1. 33/11 kV Power Transformers
2. Oil filled Distribution Transformers (CRGO / Amorphous Core)
3. Dry type Distribution Transformers (Aluminum / Copper type)
4. Insulators (Polymer / Porcelain)
5. Instrument Transformers (LV {1.1 kV and below} / MV {Upto 33 kV})
6. Conventional Conductors and accessories
7. Electrical Motors (0.37 kW to 1 MW)
8. MV AIS Panels (including Circuit Breakers) up to 36 KV, indoor
9. MV Breakers up to 40.5 KV, Outdoor
10. Isolators
11. Packaged Substation (6.6kV to 33kV)
12. RMUs (11 kV)
13. Poles (PCC, PSCC, Rolled steel joist, Rail pole or Spun or Steel tubular pole)
14. Cables(PVC , Rubber,etc) (11 to 33 kV)
15. XLPE Cables
16. Cable accessories
17. Control cables
18. Energy Meters
19. Substation structure material
20. Items for illumination system
21. All works pertaining to distribution of electricity, excluding works which involve supply of one or more goods not mentioned above valued at more than 50% of the value of the work
22. All services other than IT software, which shall be governed by orders of the Ministry of Electronics and Information Technology.
