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.
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
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
   viii) Fire tenders
   ix) Portable fire-extinguishers
   x) Automatic fire detection, alarm & control system
   xi) 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.

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