

**DETAILS OF CONTRACTS AWARDED ON SINGLE TENDER (OEM/OES/PAC/SS) BASIS ---BTPS**

SEPT.,2022							
Sl.No.	Name of the Project	Details of Work	Name of the Awardee	Type or Nature of Tenders (Single / Nomination etc.)	Brief Reason for Single Tender / Nomination etc.	Work Order No. and Date	Value of Contract Awarded
1	BTPS	Procurement of Spare lamps for Delta make LVS for BTPS-A.	FOTEX	Single(OES, OEM)	There are 7 nos of large Video Screens(LVS) are installed in main plant control room,02 nos Ash Plant Control room and 02 nos at DM Plant Control Room.These LVS are used for monitoring vital parameters,trends,CCTV etc.Lamps installed in this LVS (Projectors) having limited working life.Unavailability of this lamp leads to unavailability of LVS, causing hindrence in the smooth operation as well as CCTV visuals.it is felt prudent to procure spare lamps for delta make LVS of BTPS A(1*500MW), to minimize equipment downtime as well as for smooth functioning of the system as a whole.	DVC/Contract/BTPS/C&I A/C&M/Supply/00096 Dated 08/09/2022 GeM purchase order No. GEMC-511687769767185 DT.08.09.2022 GeM purchase order No. GEMC-511687707387441 DT.08.09.2022 GeM purchase order No. GEMC-511687734500892 DT.08.09.2022 GeM purchase order No. GEMC-511687703085256 DT.08.09.2022	7,61,235.70
2		Procurement of MIL make actuators for SH spray of BTPS-A (1X500 MW), DVC	M/s. P R ASSOCIATES	Single(OES, OEM)	These actuator is used in superheater spray stop valve as spare and in superheater spray main stop valve as spare . There are 4 nos. of superheater spray stop valve and 1 no. of superheater spray main stop valve installed at superheater spray control station. Malfunctioning or non-availability of these items may lead to non-availability of superheater spray which lead to undesirable temperature of SH steam and also may cause tube leakage in superheater coils and may affect the Generation also.To get better performance and reliability of operation of the system and to handle any emergency situation considering present stock position, it is felt to keep minimum spares in hand and so it is proposed to procure the items on OES basis for exact retrofit & technical requirement of scheme	DVC/Contract/BTPS/C&I A/C&M/Supply/00099 Dated 16/09/2022( GEMC-511687755597216 Dated: 16-Sep-2022)	6,94,182.00

3	Procurement of Spares for STEAM/WATER DETECTION SYSTEM FOR DEAERATOR BTPS A ,1*500 MW ,DVC	RAMAN INSTRUMENTS PVT. LTD	Single(OES, OEM)	These level switches are used for the protection of Boiler Feed Pumps. Malfunctioning of these switches may lead to failure in pump's protection circuit or on the other hand unwanted tripping of boiler feed pumps which lead to tripping of the unit also. To get better performance and reliability of operation of the system, it is felt to procure the indented items.	DVC/Contract/BTPS/C&I A/C&M/Supply/00100 Dated 22/09/2022	2,29,800.00
4	Procurement of 220V DC /24V DC, 10 A converter for DAVR panel of 1X500 MW Unit DVC, BTPS.	Powertec Supplies India Pvt. Ltd.	Single(OES, OEM)	There are four (04) Nos. of 220V DC/ 24V DC, 10 A converters installed in DAVR regulation panel of 1X500 MW unit, BTPS, DVC. These converters provide 24 V DC power to PLC supply for excitation control and also for power supply of auxiliary relays installed in DAVR regulation panel and are very much critical for running of unit. Out of four converters two (02) got damaged and were arranged from MTPS and DSTPS on returnable basis. Therefore, four (04) Nos. of 220V DC/ 24V DC, 10 A converters are urgently required to be purchased out of which two Nos. will be used for replacement of the damaged converters and two nos. will be kept as spare to be used in case of any exigency.	DVC/Contract/BTPS/ES-I A/C&M/Supply/00096 Dated 01/09/2022	1,14,400.00
5	Procurement of Roto-Z oil for Atlas Copco make compressors of BTPS (1x500 MW)	ATLAS COPCO INDIA LTD	Single(OES, OEM)	Roto-Z oil is a special lubricant and is used for working of the Atlas Copco make compressors of 500 MW Unit at BTPS. There are total 7 nos. of such compressors. 4 Nos. installed in main plant (two for service air and two for instrument air) and 3 nos. installed in Ash handling plant for dry fly ash conveying. During normal operation of these compressors depending upon its running hours or in case of any exigencies like contamination or emulsification, this oil is required to be topped up or replaced. Apart from this, during servicing and for preventive maintenance, oil top up is necessary to maintain the oil level. OEM also recommends to replace oil of compressors post 4000 hours of running.	DVC/Contract/BTPS/MPC A/C&M/Supply/00036 Dated 05/09/2022	17,54,396.16

6		Procurement of Cutless Rubber Lined Bearing for CW Pump of BTPS(1X500MW)	S.S. Rubbers Pvt. Ltd.,	Single(OES, OEM)	Cutless rubber lined bearing used in CW Pump is very important spare required during overhauling of the pump.Wear and tear occurs in cutless rubber lined bearing during long running of CW pump. The pump shaft of CW pump is supported by cutless rubber bearing at its bottom.It creates less abrasive wear in the surface of shaft and protects the costly shaft of cw pump. Therefore the procurement of cutless rubber lined bearing is extremely important.It is proposed to procure the material on single tender basis from M/S SS Rubbers Pvt. Ltd., sole manufacturer of cutless rubber lined bronze bearing and supplier of M/S BHEL	GEMC-511687798203088 Dated 02/09/2022 (DVC/Contract/BTPS/MS-II A/C&M/Supply/00019)	4,72,590.00
7		Procurement of Butterfly valves for Vacuum Pump, MAKE-Emerson Process Management (India) Pvt. Ltd., for BTPS A, 1X500 MW unit.	HI-TECH CONTROLS	Single(OES, OEM)	Two nos. of condenser vacuum pump installed in BTPS A 1X500 MW. Both Pump is mounted at exhaust of condenser. These pumps maintain a vacuum at the condenser side preventing turbine back pressure, remove non condensable gases and maintain a vacuum. There are two nos. of system inlet valve is fitted at suction of pump and one no. valve is fitted in between of separator and air ejector line. These valves are working as a protective device of pump. To facilitate maintenance work as well as in shut down condition of vacuum pump, proper isolation of lines is required. With passage of time, internal wear and tear of valve trims cannot be avoided. As such timely maintenance/ replacement of the said valves is required to be carried out for getting effective performance. If any leakage develops in any of the equipment, the same is required to be isolated, thus the reliability of these valve is very much required. The procurement of the subjected valves will be done on OEM basis from M/s EMERSON PROCESS MANAGEMENT (INDIA) PRIVATE LIMITED.	GeM PO No. - GEMC-511687717162301 Dated: 02-Sep-2022 and GEMC-511687759125837 Dated: 02-Sep-2022 (DVC/Contract/BTPS/TG A/C&M/Supply/00125 Dated 02/09/2022	12,95,450.00

8		PROCUREMENT OF COMPLETE MAIN TRIP VALVE, ELECTRO HYDRAULIC CONVERTER, HYDRAULIC SPEED GOVERNOR, HYDRAULIC AMPLIFIER, VALVE BLOCK ASSEMBLY INSTALLED IN MAIN TURBINE GOVERNING SYSTEM OF BOKARO-1X500MW UNIT.	M/s BHEL, PSER	Single(OES, OEM)	As per overhauling rolling plan, BTPS 500 MW is scheduled for its capital overhauling in the year 2023. Main Trip Valve, Electro Hydraulic Converter Hydraulic Speed Governor, Hydraulic amplifier, Valve Block Assembly installed in Main Turbine Governing system at BTPS-1X500MW Unit are critical items of Main Turbin Governing System. In case of failure of any component in any of these assemblies, Uni running will be jeopardized and may render the unit unavailable. Replacement of coniplet assembly shall reduce the downtime/breakdown time, and unit would be made available in minimum downtime against the case where time required for servicing of the indiviuhu component of the assembly which would have taken longer. As such, considerin the criticality as per above facts, indenting to procure Complete Main Trip Valve, Electro Hydraulic Converter, Hydraulic Speed Governor, Hydraulic amplifier, Valve Block Assembly.	GeM PO No. - : GEMC-511687723477117 Dated: 22-Sep-2022(DVC/Contract/BTPS/TG A/C&M/Supply/00126)	1,98,83,000.00
9		Procurement of Testo make Spares of flue gas analyser for BTPS 1X500 MW.	TESTO INDIA PRIVATE LIMITED	Single(OES, OEM)	Flue gas oxygen has been measured at APH I/L and O/L through online flue gas analyser. But to cross check of these online flue gas analysers and to measure the efficiency of APH it is often needed to check oxygen by portable flue gas analyser. Also it is used for measurement of oxygen in different locations. To get better performance and reliability of operation of the system it is felt to keep minimum spares in hand, and so it is proposed to procure the quantity as mentioned indemand note on OEM basis for exact retrofit & technical requirement of scheme.	DVC/Contract/BTPS/C&I A/C&M/Supply/00101 Dated 26/09/2022	3,12,050.00
10		Procurement of TG lift(Techno make) spare	M/s. P R ASSOCIATES	Single(OES, OEM)	There is one number of TG lift (Techno Make) installed inside the power house for day to day operation and maintenance activities. The unavailability of the lift may cause delay in execution of the O&M activities. Presently the lift is out of order due to the unavailability of the spare. These spares are being procured to restore the lift and some will be kept as spare. These spares are required to replace 1:1 and fitment. As M/s Techno Industries Private Limited is the manufacturer of TG lift it is proposed to procure from OEM.	DVC/Contract/BTPS/ES-1 A/C&M/Supply/00097 Dated 28/09/2022	2,47,390.00

11		Procurement of Spares for Blue Star make (Electrical Operated) screw chiller at Centralized AC Chiller system of BTPS A (1*500MW).	LGL Enterprises	Single(OES, OEM)	<p>There are altogether Two (02) nos. of Screw chiller units for power house and Two (02) nos. of Screw chiller units for technical building installed at central air conditioning plant of BTPS "A" DVC and Each chiller units consists of Two (02) nos. of compressors. These screw chillers are in Continuous operation for maintaining the desired temperature required for optimizing the performance of various Electronics cards/PLC panels at the various locations of BTPS "A" such as BTG control room, UPS, Battery Charger, ESP &amp; VFD control room and Technical Buildings. Breakdown of Central AC plant may cause the failure of Electrical, Max DNA system, instrumentation system which results spurious tripping of the system as well as generation loss. Therefore, spares of Screw chillers are essential for uninterrupted operation as well as preventive maintenance of the chillers of Central Air Conditioning Plants.</p> <p>Considering the above, it is proposed to procure the spares from OES for one to one fitment and better technical suitability which is much needed in order to keep the Chiller units available in bare minimum time.</p>	Contract No: GEMC-511687718933170 Dated 28/09/2022 (DVC/Contract/BTPS/ES-II A/C&M/Supply/00130)	8,64,940.00
12		Spares for Re-circulation valves of Boiler feed pump, make: Dresser for Bokaro-1X500 MW Unit.	SAPS POWER EQUIPMENTS PVT. LTD	Single(OES, OEM)	<p>Three numbers of Boiler Feed Pump are installed in BTPS 500 MW unit (One motor driven and 02 Turbine driven) for maintaining feed flow of the unit. These pumps are vital in nature and directly related to unit generation. Availability of these pumps must be ensured for smooth and sustained generation of the unit and thus to avoid unit generation loss. M/S dresser make recirculation valve is installed in recirculation line of individual boiler feed pump. Both the TDBFP#A and TDBFP#B were earlier reported for the passing through its recirculation valve, but due to availability of only one set of spares, valve of TDBFP#B got serviced only. Further in unit shut down during Nov-Dec-21, servicing of both TDBFP# A &amp; B valves were carried out in presence of service personnel of the OEM. Boiler feed pump Re-circulation valves are required to be kept readily at site to counter any unforeseen situation as explained above. Keeping in view, all the above mentioned facts it is intended to procure the spares for servicing of valves as and when required and also to keep minimum inventory to meet any exigency.</p>	GEMC-511687716084353 Dated 28/09/2022(DVC/Contract/BTPS/TG A/C&M/Supply/00127)	87,83,324.00
					<b>WORK ORDERS</b>		

Sl.No.	Name of the Project	Details of Work	Name of the Awardee	Type or Nature of Tenders (Single / Nomination etc.)	Brief Reason for Single Tender / Nomination etc.	Work Order No. and Date	Value of Contract Awarded
1	BTPS	Annual Service Contract for KONE make Goods and Passenger Elevator installed at Main Power House Boiler area 1X500 MW Unit,BTPS,DVC.	KONE ELEVATOR INDIA PRIVATE LIMITED	Single(OES, OEM)	Passengers and Goods Lift of KONE Make are installed in the boiler area of unit for movement of man power to various elevations of boiler. Availability of these elevators is considered essential for safe O&M activities of the plant. Due to unavailability of these lifts, delay in operation and maintenance may affect the generation of the unit. Since these elevators contains electronic cards and various software components and controllers. So regular maintenance/servicing is very much essential for smooth and safe operations of these elevators. Since this is a specialized job, our departmental manpower is inadequate to carry out the proposed job of ARC of maintenance/ servicing of these elevators. KONE Elevators INDIA Pvt. Ltd is the OEM of these lift and it has supplied, erected and commissioned these elevators. Hence it is proposed to engage the OEM, M/s. KONE Elevators INDIA Pvt. Ltd for ARC	DVC/Contract/BTPS/ES-I A/C&M/Works and Service/00059 Dated 17/09/2022	13,57,632.00
2		Annual Rate Contract (ARC) for maintenance of ABB make PLC/SCADA system of Stacker-cum-Reclaimer along with its RIO and Paddle feeder (04 nos) of CHP, BTPS, DVC.	Conquest Automation	Single(OES, OEM)	There is ABB make PLC/SCADA system in Stacker-cum-Reclaimer along with its RIO and Paddle feeder (04 nos) in CHP, BTPS, DVC. Any breakdown in this system will impact directly BTPS unit generation. As PLC maintenance job is of specialized nature and requires expertise from OEM.	DVC/Contract/BTPS/C&I A/C&M/Works and Service/00025 Dated 01/09/2022	4,15,624.00