

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

PERIOD : MAY-2024									
Sl. No.	Name of the Project	Details of Work	Name of the Awardee	Type or Nature of Single Tenders (OEM / OES/PAC/SS etc.)	Reason / Justification for awarding the work on Single Tender Basis	Work Order No. and Date	Value of Contract Awarded	Related DFP under which the Work has been awarded	Status of Work
1	CTPS	Procurement of FD fan blades with fastener - Blade bearing assembly	Bharat Heavy Electricals Limited, SSBG-Eastern Region	Single Tenders (OEM / OES)	There are four number of FD fans installed in CTPS Unit 7&8. All four FD fans are in continuous operation for sustained generation from both the units. Availability of FD fans is highly critical as regards to generation. It is worthwhile to mentioning that there are no standby FD fans installed in CTPS Units # 7 & 8.	DVC/Contract/Head Quarter/BOILER AUX U# 7 and 8/CMM/Supply/00008/Capital	Rs.5286041.28	DFP Clause 2.3(i) of CMM	
2	CTPS	Procurement for M/s Emerson make Mass Flowmeters comprising of Mass Flow Sensors and Mass Flow Transmitters used in HFO/LFO system in Unit#7&8, CTPS on an OEM basis.	TORQUE LABS ENGINEERING	Single Tenders (OEM / OES)	M/s Emerson Micro Motion Mass Flowmeters comprising of Mass Flow Sensors and Mass Flow Transmitters are being used in Unit#7&8, CTPS to show fuel oil flow rate in control room. The transmitter processes the signal coming from mass flow sensor and sends the flow rate signal to DCS. This flow rate is being further totalized to show the total consumption of HFO/LFO. This data is used in analysis of unit performance like calculation of specific oil consumption etc. Considering these, the flow transmitter and sensor are vital and adequate stock needs to be maintained. In view of the above it is proposed to procure the Mass Flow Sensors and Mass Flow Transmitters on OEM basis	DVC/Contract/Head Quarter/C &I U# 7 and 8/CMM/Supply/00022/Capital	Rs.1939622	DFP Clause 2.3(i) of CMM	

3	CTPS	Procurement of C&S Electric make LV Electrical spares for CHP.	M/s SHREE SHYAM SALES	Single	Proposed Indented materials will be used in C&S Make installed LT Breakers and feeders installed at MCC#1,2 and 3 in CHP U#7&8, CTPS.LT Breakers of type AH-8D-CS are installed in all three MCCs having total numbers 14 of rating 800A. LT Breakers of type AH-25D-CS are installed in three numbers in MCC#1 of rating 2500A.LT Breakers of type AH-30D-CS are installed in three numbers in MCC#2 of rating 3200A.LT Breakers of type AH-20D-CS are installed in three numbers in MCC#3 of rating 2000A.On around 200 LT DOL Starter feeders are installed in CHP U#7&8 at CTPS. Detailed Breakers and feeders are very vital for electrical power transmission in CHP, CTPS U#7&8. These breakers and feeders play a pivot role in Operation of Conveyor motors of CHP, CTPS#U7&8	DVC/Contract/Head Quarter/CHP (E) U# 7 and 8/CMM/Supply/00016	Rs.78010.66	DFP Clause 2.3(i) of CMM	
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4	CTPS	Procurement of Gear Box for Roller Screen & Travelling Tripper of CHP,U#7&8	SNC COMMERCIAL	Single Tenders (OEM / OES)	<p>Gear Box type: KZA140 is drive gear box of Travelling Trippers. Two nos. of Travelling Trippers (TT) have been installed in bunker Conveyor System of CHP, Unit 7&8 and in operation for feeding of coal to bunkers to sustain the Unit generation. Each Travelling Trippers (TT) having two nos. Gear box (02 x02 =04). Gear box B3SH-4 is drive gear box of roller screen. Four nos. of Roller screen (RS) have been installed at Crusher house in CHP, U#7&8. Each roller screen having two nos. gear box (02X4=8).</p> <p>Both gear boxes are included in Critical spare list of CHP, CTPS. Most of the installed gear boxes are in service since inception. Both the gear boxes play very vital role in uninterrupted bunker feeding. Hence, to ensure healthiness of TT and RS, it is essential to have minimum spares stock in hand to deal with any unforeseen breakdown due to prolonged operation & ageing of these gear boxes. At present, stock of indented items in hand is NIL.</p>	DVC/Contract/Head Quarter/CHP (M) U# 7 and 8/CMM/Supply/00029/Capital	Rs. 2650149.32	DFP Clause 2.3(i) of CMM	
5	CTPS	Procurement of Lovejoy couplings of equipment of Boiler & Coal Mill of CTPS Unit 7&8.	Jai Enterprises	Single Tenders (OEM / OES)	<p>Coupling, the mechanical part that connects two shafts together to accurately transmit the power from the drive side to the driven side while absorbing the mountings errors. The reliability of coupling ensures continuous and troublefree operation. Various types of couplings are used in day-to-day maintenance activity of Boiler Aux. and Coal Mill Aux. The condition of each coupling is checked during preventive maintenance/ shutdown and replacement done as and when required. The availability of coupling for load bearing equipment ensures continuous and trouble-free generation from the units. Hence, sufficient no. of couplings is required to be kept in stock to overcome any unforeseen situation</p>	DVC/Contract/Head Quarter/COAL MILL U# 7 and 8/CMM/Supply/00007	Rs.5984681.48	DFP Clause 2.3(i) of CMM	

6	CTPS	Procurement of HVR Transformer for ESP CTPS Unit#7&8.	Bharat Heavy Electricals Limited,ROD Ranchi	Single Tenders (OEM / OES)	There are 64(Sixty Four) nos.BHEL make 100KVA, DC output 95KV Peak, 1000mA, HVR TRANSFORMER, installed in ESP CTPS (Unit#7&8), HVR transformers provide power to ESP fields and these transformers are specially designed for ESP application, it works as step up transformer as well as a rectifier and feeds DC power to ESP fields. These HVR transformers are almost in continuous service during running of the units and have direct links with the performance of the ESP. Better performance of ESP also contributes to our generation by reducing load on ID fans of the units.	DVC/Contract/Head Quarter/IPH (E) U# 7 and 8/CMM/Supply/00026	Rs.2646925.26	DFP Clause 2.3(i) of CMM	
7	CTPS	Procurement of HP/BP motor for unit#7&8,CTPS.	M/s S.B.M. ENTERPRISE	Single Tenders (OEM / OES)	There are two no's of 7.5 KW,3-ph,50Hz, BPBP Motor installed in each unit#7&8 of CTPS for driving of HPBP oil supply unit pump.HPBP motor is always in service while unit is running. The HP Bypass System performs four functions: (1) it shortens the unit startup time; (2) it controls the main steam pressure during normal on-line operation; (3) it maintains the main steam at minimum threshold conditions while the turbine/generator is off-line; (4) it performs the safety function of protecting against steam line over pressurization, which eliminates the need for high pressure safety/relief valves.	DVC/Contract/Head Quarter/IPH (E) U# 7 and 8/CMM/Supply/00027	Rs.221368	DFP Clause 2.3(i) of CMM	

8	CTPS	Procurement of 7.2KV, (Type-VM-12) BHEL make VCB	Bharat Heavy Electricals Limited,ROD Ranchi	Single Tenders (OEM / OES)	6.6KV BHEL make HT vacuum circuit breakers have been installed to feed power to HT Motors, transformer feeders and different board which are in service since inception of unit. These breakers are regularly switched for preventive maintenance, schedule changes, and breakdown maintenance. Continuous operational health of these breakers are crucial, as they are essential for supplying power to equipment and various MCCs. The above breaker needs to be always in healthy condition and to be kept available to sustain the unit generation, as these breakers are required to feed power to the equipment and different MCC. Therefore, a minimum quantity of spare breaker needs to be always available so that the immediate replacement can be done with in minimum time. Considering the above-mentioned conditions, the procurement of Breakers is very much essential	DVC/Contract/Head Quarter/IPH (E) U# 7 and 8/CMM/Supply/00028/Capital	Rs.2400516	DFP Clause 2.3(i) of CMM	
9	CTPS	Procurement of Different type of Follow Up Piston Spring Assembly, JOP line NRV, spares of MS & HRH strainer, LP Gen coupling bolt etc for U# 7&8, CTPS, DVC.	Bharat Heavy Electricals Limited, SSBG-Eastern Region.	Single Tenders (OEM / OES)	The turbine valves are controlled by governing system where follow up pistons are being used to generate governing oil for different purposes with the help of spring assembly. These spring assembly remains in service continuously and thus the stiffness of spring gets deteriorated with the time resulting in inadequate governing oil pressure and malfunctioning of Turbine Control Valves. M/S BHEL recommended to replace these items in recent AOH of the CTPS U#7	DVC/Contract/Head Quarter/TURBINE AUX U# 7 and 8/CMM/Supply/00010	Rs.5692418.25	DFP Clause 2.3(i) of CMM	

10	CTPS	Supply of different types of O - rings and sealing rings for CTPS, DVC	INDIAN RUBBER PRODUCTS	Single Tenders (OEM / OES)	These O-rings & sealing rings are consumable in nature and thus its quality is of utmost important as these are fitted in critical equipment's which are in continuous operation and are directly linked with unit generation and hence premature failure/leakage/passing is not desirable in these systems, moreover it is also to mention that these O-rings are replaced during overhauling of the units only. Considering the criticality, the O-rings are to be procured from reliable source for its sustainability, reliability to ensure availability of the equipment	DVC/Contract/Head Quarter/TURBINE AUX U# 7 and 8/CMM/Supply/00011	Rs.428693	DFP Clause 2.3(i) of CMM	
11	CTPS	Supply of spares for Compressor, model ZR-200 for CTPS, DVC.	Atlas Copco(India) Limited	Single Tenders (OEM / OES)	Atlas Copco make Compressors Model: - ZR200 and Drier Model:- MD 600 are installed in 06 in nos. and 03 in nos. respectively at CTPS, Unit # 7 & 8. The indented spare will be required for repairing/servicing of SAC#3 of main plant compressor house. The SAC#3 got tripped as the Element 1 temperature of the said compressor reached to 221 degrees centigrade, which is the tripping value of the compressor. As per OEM M/s Atlas Copco for rectification of the same the HP element and LP element of the compressor needs to replace, and for replacement of the elements, few other spares are also recommended by OEM. These spares may require, it will depend upon the condition of fitted existing spares.	DVC/Contract/Head Quarter/TURBINE AUX U# 7 and 8/CMM/Supply/00012	Rs.588602.88	DFP Clause 2.3(i) of CMM	

12	CTPS	Procurement of Plastic Refractory with Binder for Boiler of CTPS Unit #7&8.	Industrial Associates	Single(SSC,SS,Oth er than PSU)	<p>There are two nos. of boilers installed in CTPS Unit #7&8. Plastic refractory is used in burner panel tubes during burner replacement to avoid ash erosion. This refractory provides better life and does not require welding of stiffeners for holding to tubes up to a refractory thickness of 5 mm. This is suitable for application in burner zones as clearance between nozzle tips & panel tubes is less and space is required for free movement of nozzle tips. Plastic Refractory is also used in rear arch bend locations, furnace roof tubes, 2nd pass manhole doors opening bends, LRSB Opening Bends etc of boiler to avoid erosion & ash leakage from boiler.</p> <p>It is proposed to procure 6.0 Ton plastic refractory from, M/s. industrial Associates on "source Standardization Basis" considering the forthcoming Overhauling of Unit #8 in Sep, Oct-2024 and for the consumption during any BTL.</p>	DVC/Contract/Head Quarter/BOILER AUX U# 7 and 8/CMM/Supply/00009	Rs.584100	DFP Clause 2.3(i) of CMM	
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