

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

PERIOD : DECEMBER, 2021.		PURCHASE ORDERS					
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	Supply of CGL make DC EOP motor pertaining to 1X500 MW unit of DVC, BTPS	M/s HINDUSTHAN SUPPLIERS	Single(OES, OEM)	There is one no CGL make DC EOP motor installed in the 1X500 MW unit of DVC BTPS. This motor is continuous in service from Unit commissioning and given for emergency purpose in case of AC supply failure or AC motor failure. Hence availability of this motor is very crucial. Presently there is no spare motor is available in hand as well as this motor is not covered in the mandatory spares of our unit. In the event of failure of motor, on account of failure of winding or trouble in motor bearings, defective motor will be needed to be replaced with healthy one at the earliest for smooth running of the unit. Hence these motor is required to be kept as spare to minimize the lead time for restoration of damaged motor and will enhance system reliability and increase redundancy in respect of smooth generation of unit.	DVC/Contract/BTPS/ES-I A/C&M/Supply/0088 Dated 04/12/2021	855,370.00

2	BTPS	Procurement of power contactor, Aux. contactor, cast resin current transformer, etc for CASS , Recovery ash water system & Ash handling plant pertaining to ES-I A section, DVC,BTPS	MIRC ELECTRO TRADE PVT LTD	Single(OES, OEM)	<p>The System consists of around 29 nos. 6.6KV HT drive and several nos. of LT Drive including the Ash water recovery system and Ash water system. The indented items such as power contactors of different rating, Auxiliary contactors, Switch disconnecter fuse, cast resin current transformer for metering purpose etc. are spares of 6.6KV/415V MCC modules feeding power to different equipments of combined ash slurry system, Ash handling plant. These items are more damaged due to frequent starting and stopping of equipment as per operational requirement and due to ageing, malfunctioning of these items are faced regularly and it is creating difficulty in smooth functioning of the equipments and in turn the whole system. Power contactor of different ratings (110V coil voltage) is used for electric hoist of PA Fan &amp; ID Fan area of 1X500 MW unit. These power contactors have been never procured after the commissioning of 1X500 MW unit .These spares will be used for replacement of damaged/defective items during day to day routine /preventive maintenance and also for breakdown maintenance of the Panel/Modules. Therefore the replacement of the same is felt very much essential for safe, smooth and reliable operation of the equipment and minimize the breakdown time of the equipments and also for smooth running of CASS ,Ash water recovery system &amp; Ash water system. As the existing spares are of M/S Siemens-make, therefore the procurement of indent items from M/S Siemens is very much essential for proper retrofitting and to avoid any circuitry modification in the existing system.</p>	DVC/Contract/BTPS/ES-I A/C&M/Supply/0087 Dated 08/12/2021	571,875.00
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3	BTPS	PROCUREMENT OF SPARES FOR INSTRUMENT AIR COMPRESSOR OF ASH HANDLING PLANT, 1x500 MW, BTPS.	Trinity Tradex Private Limited	Single(OES, OEM)	<p>There are two nos. of instrument air compressors installed in Ash Handling Plant 1x500 MW unit. Availability of both the compressors is necessary for smooth running of ash handling plant 1x500 MW unit as instrument air is used for opening and closing of all valves (knife edge gate valves, butter fly valves, dome valves), feed gate of clinker grinders, purging of bag filters of three cell collectors and silo etc. As per OEM recommendation, ensuring healthiness and availability of compressor, servicing of instrument air compressors had been carried out in recent past.</p> <p>During servicing of compressor, a line crack had been found in LP side OUTER HEAD ASSLY. As per discussion with service team of OEM (M/s Chicago Pneumatic) Compressor may be run but it would be better to replace the same to avoid further damage to other parts of compressor. In view of aforementioned facts, it is felt prudent to procure aforesaid items from M/s. Chicago Pneumatic through single Tender on Original Equipment manufacturer [OEM].</p>	DVC/Contract/BTPS/AHP/C&M/Supply/00061 Dated 08/12/2021	181,808.00
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4	BTPS	Spares of gear box of paddle feeder of CHP of BTPS.	M/s BANSAL UDYOG	Single(OES, OEM)	<p>The paddle feeders are vital equipments for evacuation of track hopper of rail born coal as well feeding of coal in the bunkers of BTPS-A plant. There are 04 Nos. of paddle feeder are installed in Coal Handling Plant. The gear box of paddle feeder being prime mover of plough blade of paddle feeder. These gear boxes provided desired speed to the plough blade of paddle feeder. These paddle feeders are subjected to adverse working condition with most hostile environment. Due to continuous running of such working condition more wear &amp; tear occurs in the internals of gear box of paddle feeder. Recently gear box of paddle feeder has developed abnormal sound &amp; vibration to some extent .Gear box of paddle feeder is running since long period, any break down in these paddle feeders will stop coal evacuation of track hopper of rail born coal as well as feeding in the bunkers of BTPS-A plant which may cause generation loss in the want of coal.Spares of gear box are being proposed to be procured from the OEM for better quantity, better life, exact fitment &amp; interchangeability.</p>	DVC/Contract/BTPS/FUEL A/C&M/Supply/0038 Dated 15/12/2021	259,200.00
5		Procurement of Main Turbine governing system supply rack duplex Filter element, Make- BOLL & KIRCH, installed in BTPS-1X500 MW Unit.	SAPS POWER EQUIPMENT S PVT. LTD	Single(OES, OEM)	<p>Duplex filter installed in supply rack of main turbine governing system of BTPS-1X500 MW Unit is very much critical for healthy functioning governing system by ensuring supply of filtered oil to servomotors of HP &amp; IP Turbine control valves consequently the smooth running of unit. As such, it is being intended to procure Spare elements of filter to keep minimum inventory and also to use it as per requirement in case any replacement is mandated by chocking of installed filter elements. Considering the above facts, it is intended to procure spare filter elements from BOLL &amp; KIRCH, the OEM.</p>	DVC/Contract/BTPS/TG A/C&M/Supply/0117 Dated 04/12/2021	195,020.00

6		Supply of Condenser Vacuum Pump Motor (make-XIANGTAN ELECTRIC MANUFACTURE CO. OF LTD.) for Turbine Auxiliary system pertaining to BTPSA (1X500MW) Unit.	M/s MILLENNIU M IMPEX PVT LTD	Single(OES, OEM)	There are 02(Two) no.s Condenser Vacuum Pump Motors(make-Xiangtan Electric Manufacture Co. Ltd.) are installed in the 1X500 MW unit of DVC BTPS and used as Turbine Auxiliary System. These motors are continuous in service during running of the unit and in case of outage of these motors may hamper the parameters of the unit. Presently there is no spare motor is available in hand as well as these motors were not covered in .the mandatory spares. In the event of failure of motor, on account of failure of winding or trouble in motor bearings, defective motors will be needed to be replaced with healthy one. Hence minimum no,s of spare motor is required to minimize the lead time for restoration of damaged motors and will enhance system reliability and increase redundancy.	DVC/Contract/BTPS/ES-I A/C&M/Supply/0089 Dated 24/12/2021	5,040,000.00
7		Procurement of Acid Unloading Pump for CPU Regeneration plant of BTPS(1X500MW).	Anticorrosive Equipment Private Limited	Single(OES, OEM)	In CPU Regeneration Plant (1*500MW), there are two nos of “Acid unloading pump” installed for unloading of said hazardous chemical to their respective storage tanks for storage. It will be used in the process of regeneration of cpu resins. Considering hazardous chemical, these pumps should be always healthy and available for use. The nature of chemical is corrosive and it has been experienced from past that these pump should be replaced after certain interval to avoid any chemical hazard to both workman and environment.	DVC/Contract/BTPS/MS-II A/C&M/Supply/0014 Dated 21/12/2021	87,358.00

8		Spares for Crusher (Model RG-721) of CHP BTP	MCNALLY SAYAJI ENGINEERING LIMITED	Single(OES, OEM)	<p>Since COD of BTPS-A(1x500MW), The CHP system are running continuously for crushing of raw coal as well feeding of coal in the bunkers of BTPS-A plant. There are 04 Nos. of Coal Crusher (Model: RG-721, Make: McNally Sayaji Engineering Limited) are installed in Coal Handling Plant for crushing of raw coal received from different sources like rail &amp; road. These crushers are subjected to adverse working condition with most hostile environment. Due to continuous running of such working condition more wear &amp; tear occurs in the internals of crushers. These crushers are critical equipment and their failure will hamper coal crushing as well as coal feeding in the bunkers of BTPS-A plant, thereby, generation loss of the plant. Hence, it is necessary to keep some of the spares in ready stock to meet urgency.</p>	DVC/Contract/BTPS/FUEL A/C&M/Supply/0039 Dated 24/12/2021	1,412,320.00
9		Supply of HT HRC fuse used in 3.3KV Vacuum contactor breaker of CHP MCC#2.	PANICKER SWITCHGEAR PVT. LTD.,	Single(OES, OEM)	<p>There are twelve numbers of motor feeder vacuum contactor with HT Fuse protection type breakers, out of twelve four feeders are for crusher and eight feeders are for conveyors installed in MCC#2 of CHP. These HT fuse Motor Protection are of Make-Pannicker switchgear private limited. These HT fuse provides faster and accurate option for tripping vacuum contactors breakers against any short circuit / overcurrent. Breakdown of the Fuse may occur due to aging, internal &amp; external fault etc. Hence it's always necessary to maintain minimum quantity of each of Fuse in hand so that the same will be utilized /replaced at the time of need and the system will be normalised with in optimum time. Pannicker switchgear private limited being the OEM for the HT fuse installed in BHEL make breakers</p>	DVC/Contract/BTPS/ES-II A/C&M/Supply/0100 Dated 24/12/2021	102,000.00

					<b>WORK ORDERS</b>		
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1	BTPS	ARC for two (02) years for periodic Servicing/ Maintenance of Telephone Exchange (EPABX System) pertaining to 1X500 MW unit, DVC, BTPS.	Future Vision Technologies	Single(OES ,OEM)	Since M/S V LINK SYSTEMS(P)LTD is the OEM of the Telephone Exchange(EPABX system) installed at 1X500 MW Unit DVC, BTPS, therefore for immediate restoration in case of breakdown/faults OEM M/S V LINK SYSTEMS(P)LTD has been chosen	DVC/Contract/ BTPS/ES-I A/C&M/Works and Service/00048 Dated 04/12/2021	1,094,400.00

2	BTPS	Restoration and healthiness checking of 220V DC,10A & 30A Battery Charger of Recovery pump house and combined ash slurry pump house respectively pertaining to ES-I Section DVC BTPS	M/s GARG ENTERPRIS ES	Single(OES ,OEM)	220V DC, 300 AH & 40 AH Capacity Automatic Float and Float cum Boost Battery Charger of M/s Chloride Power System & Solutions Ltd. are presently in service at Combined Ash Slurry Pp House and Ash Water Recovery Pp House respectively of DVC, BTPS. 220V DC Battery Charger are used to charged 220V DC Battery banks and to provide DC power for control and protection system of various equipments like Panels, switchgears, transformers and motors etc. The 220V DC system is very vital for smooth functioning of control & protection system to avoid any damage of man and materials. These battery chargers have not been charged since inception of the system. Hence to carry out the O&M activities smoothly for CASS, normalisation and healthiness of float battery charger is required.	DVC/Contract/ BTPS/ES-I A/C&M/Works and Service/00049 Dated 10/12/2021	125,000.00
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