

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

PERIOD : JANUARY, 2022.			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	Integration of existing weigh-bridge system with DVC EBA along with supply and installation of RFID smart tower with accessories for two no. Avery make road weigh bridges installed at permanent Ash Pond, DVC, BTPS.	M/s Avery India Ltd	Single(OES, OEM)	BTPS is having 2Nos Road weighbridge@ 60MT each of Avery makes.The same is functional and all statutory obligations is being compiled with EBA integration of weigh bridge data is required to be done.In line with extant guidelines for systematic improvement required for ash transportation in future reference,OEM of weighbridges,M/s Avery India Limited was approached.	DVC/Contract/BTPS/CIVIL/C&M/Supply/00004 Dated 17/01/2022	32,78,000.00

2	BTPS	Procurement of SEL710 and SEL751A relay.	Atharva Corporation	Single(OES, OEM)	<p>There are 28 no SEL make motor protection relay type SEL 710 (10-I/P+11- O/P Part No. 071001G1G1G71810310) Motor Protection Relay, 5 no. SEL make O/C & E/F relay type SEL 751A (6-I/P+7- O/P Part No. 751A51G1G0X71810310)Feeder Protection Relay and 75 no. SEL make O/C & E/F relay type SEL 751A (14-I/P+7-O/P, Auxiliary supply-220VDC CT Sec.-1A,PT Sec.-63.5V, Part No. 751A51G3G1G72811310)Feeder Protection Relay of M/S SCHWEITZER ENGINEERING LABORATORIES PRIVATE LIMITED make are installed in 3.3KV/11KV switchgear. These relays are used for protection of HT motor feeder(FD, PA, ID Fan, MDBFP AND OTHER 3.3KV MOTOR) and HT outgoing transformer feeder and incomer feeder. These relays play a vital for charging of those feeder and hence in plant operation. Availability of these feeder is required for smooth operation of plant and quick restoration or replacement is required in case of any faulty or damaged relay. Wiring and other things of those feeders are designed as per these SEL relay and hence 1:1 replacement is required. M/S SCHWEITZER ENGINEERING LABORATORIES PRIVATE LIMITED, an OEM of these relays.</p>	DVC/Contract/BTPS/ES-I A/C&M/Supply/00090 Dated 31/12/2021	27,74,300.00
3	BTPS	Supply of SEL make numerical relays(Type: SEL751A & SEL710) for CHP and OPH, DVC,BTPS	Schweitzer Engineering Laboratories Pvt. Ltd.	Single(OES, OEM)	<p>There are several numbers of SEL relay of 3.3KV and 11 KV MCC PANELS/FEEDER PANELS containing LT Breakers module of different rating for supplying power to different equipment /feeders. These breakers work in coordination with relays for isolation of healthy part in case of any fault /flashover etc. These relays are basically the primary device which acts first to sense the fault and give signal to breaker to trip to isolate the faulty system and to minimise the damage to the other associated equipment connected to the circuit breaker. Thus these relays are very important from protection point of view. The relays to be procured are used in different HT breaker modules such as incomer, bus coupler, motor feeder etc. The indented item (microprocessor based numerical relays) will be used for the replacement of the damaged one to avoid outage of the equipments/panel. Also some will be kept as spare for use during exigency.</p>	DVC/Contract/BTPS/ES-II A/C&M/Supply/00105 Dated 06/01/2022	10,82,996.00

4	BTPS	Supply of complete variable frequency drive controller for impeller drive motor associated with clariflocculators of 1X500 MW unit,DVC,BTPS pertaining to OPH(E).	Cyrus Infra-Tech Private Limited	Single(OES, OEM)	Its felt necessary to procure the new VFD controller from the OEM as it will be best fitted on 1:1 ratio with the old existing VFD at the same base.	DVC/Contract/BTPS/ES-II A/C&M/Supply/00106 Dated 13/01/2022	77,600.00
5		Supply of Spares for Refrigeration Type Hydrogen gas drier of generator pertaining to 1*500MW Unit of DVC, BTPS A.	JINDAL ELECTRONICS PVT. LTD.	Single(OES, OEM)	There are total Two (02) nos. of refrigeration type hydrogen gas drier installed in 1*500MW Unit of DVC, BTPS A. Gas drier is critical and vital equipment of the generator auxiliary and used for removing moisture from hydrogen gas which is to cool down the generator rotor and stator core. In case of outage of gas drier may lead to ingress of moisture in generator and affect the performance of the generator and its cooling system. In order to maintain the safe, smooth and reliable running of generator,the availability of spares of gas drier is felt very much essential to minimize the breakdown time in restoration and to be made the system healthy. The existing refrigeration type hydrogen drier system is of Make M/s Jindal Electronics Ltd.,therefor the subject procurement has been preferred through OEM i.e M/s Jindal Electronics Ltd. For proper retrofitting during interchangeability and minimize the breakdown time in restoration.	DVC/Contract/BTPS/ES-II A/C&M/Supply/00107 Dated 14/01/2022	12,04,200.00

6		<p>Proposal for " supply, Installation and commissioning of RFID based UWS (Unmanned Weighing System) compatible to existing 2 No's of Avery Make Road weighbridge of Fuel Management Dept. DVC, BTPS.</p>	<p>M/s Avery India Ltd</p>	<p>Single(OES, OEM)</p>	<p>BTPS is having 2 Nos Road weighbridge @40 MT each of Avery makes. Installed around 1980's the same is functional and all statutory obligation is being complied with . Also EBA integration of weighbridge data has already been made function since 9/11/21.At all the weighbridges as per operational flow of work, weighbridge operator/attendant have to manually enter the vehicle numbers, type of product, challan no, challan weight, Invoice details, Transporter details etc. This manual entry leads to undesirable delay in weighment or sometimes erroneous entry due to manual entry can't be ruled out. In line with extant guidelines for Systematic Improvement required for road transportation of coal in future ref above, OEM of weighbridges, M/S Avery India Limited was approached.</p>	<p>DVC/Contract/BTPS/FUEL 1/C&M/Supply/00011 Dated 12/01/2022</p>	<p>30,98,000.00</p>
7		<p>Procurement of Safety Relief Valve installed in N2 gas line in primary water tank,Make - Honeywell for BTPS 1X500 MW Unit..</p>	<p>POWER TECH CORPORATION</p>	<p>Single(OES, OEM)</p>	<p>One no safety Relief Valve is installed in N2 gas line of primary water tank at BTPS 1*500MW Unit.The primary water tank should be purged with nitrogen to reduce the oxygen content of the primary water.During purging,O2 is extracted from the primary water and discharged to the atmosphere via the vent gas line.Thus N2 gas pressure required to be maintained throughout the running of generator.Safety Relief valve installed in N2 gas line of primary water tank maintains the set pressure desired for healthy parameters of primary water.In case of passing through this valve,the desired pressure shall not be maintained and continuous purging will be required,this will affect the stability of primary water system healthiness and subsequently that of generator since this water is used for cooling of stator bars and terminal bushings.Since generator set is a critical equipment and directly linked to unit generation healthiness of the aforesaid system is required to be maintained suitably.The indented item will be utilized to meet any exigency and also in case of any breakdown/overhauling requirement.OES,M/s Power Tech Corporation,the authorised vendor of Honeywell for supply of items.</p>	<p>DVC/Contract/BTPS/TGA/C&M/Supply/00118 Dated 05/01/2022</p>	<p>3,04,960.00</p>

8		PROCUREMENT OF SPARES SUCH AS TOP AND BOTTOM BEARING ASSEMBLY KIT, GASKET FOR BHEL MAKE 2300 KW CW MOTOR AND 600 KW ACW MOTOR OF 1X500 MW UNIT OF DVC BTPS ON OEM BASIS FROM M/S BHEL.	Bharat Heavy Electricals Limited, SSBG-Eastern Region	Single(OES, OEM)	There are four nos. of CW motors (11 KV, 2300 KW of M/s BHEL make) installed at CW pump house) of 1x500 MW Unit of DVC, BTPS out of which three nos. of CW motor need to be always in service for driving respective CW pumps for supply of water for different purposes which in turn aims in stable running of different auxiliaries to sustain steady generation of the unit. There are Two Nos. of ACW motors (3.3 KV, 600 KW of M/s BHEL make) installed at CW pump house) of 1x500 MW Unit of DVC, BTPS out of which one no. of ACW motor need to be always in service for driving the ACW pump for supply of water for cooling of equipment cooling water and vacuum pump seal water through heat exchangers which in turn aims in stable running of different auxiliaries to sustain steady generation of the unit. Outage of any of these equipment has direct impact on generation of the unit. Minimum spares for at least one motor always need to be ensure available for immediate replacement in case the motor became out of service because of its spare part damage/defective. At present there is no spare available with maintenance department to fulfil future need. Therefore its felt necessary to propose to procure minimum spares for both of the motors from the OEM i.e. M/s BHEL as the same will be best fitted on 1:1 ratio in all respect.	DVC/Contract/BTPS/ES-II A/C&M/Supply/00108 Dated 27/01/2022	9,26,879.00
					WORK ORDERS		
	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	Environmental study for disposal of Pond Ash in abandoned mine/quarry of Kargali, Open Cast Project, B&K area pertaining to DVC, BTPS (EPABX System) pertaining to 1X500 MW unit, DVC, BTPS.	CSIR-Central Institute of Mining & Fuel Research	Single(PSU)	<p>At present DVC, BTPS is facing difficulty with evacuation of Pond Ash for want of abandon mines/ low lying areas/ stone quarries since 2018. Ash is generated by burning pulverized coal in boiler for steam generation. DVC, BTPS is performing its essential service by generation of power for nation. But in the absence of ash dumping area as mentioned above it has become very difficult to evacuate pond ash keeping pace with ash generated for power generation as per the need of the system. For which the matter has been taken up with CCL for dumping pond ash from BTPS ash pond to abandoned coal mines of CCL. CCL vide SOP dated 30.11.2021 agreed for dumping of Pond Ash from BTPS Ash Pond to OCP, B&K area Kargali with some condition. One of the condition is NOC from JSPCB.</p> <p>As per guidelines of SOP and MoEF&CC, GOI pollution clearance is required along with other formalities. In line with the SOP, MS, JSPCB, Ranchi was requested for issuance of NOC for the mentioned job. On 06.12.2021, ED (Opn) along with HOP, BTPS visited MS, JSPCB, Ranchi regarding discussion for NOC. Again HOP BTPS visited MS, JSPCB, Ranchi on 21.12.2021 regarding discussion for NOC and it was decided that as per SOP and guidelines of MoEF&CC, GOI pollution clearance tests are to be conducted before dumping of Pond Ash. It is pertinent to state that at presently both ash pond (1&2) are operated for evacuation partially one after another with great care and attention. Necessary formalities for dumping pond ash are under progress</p> <p>for immediate restoration in case of breakdown/faults OEM M/S V LINK SYSTEMS(P)LTD has been chosen</p>	DVC/Contract/BTPS/E MPC 1/C&M/Works and Service/00002 Dated 10/01/2022	17,24,000.00
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