

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	BTPS/HQ	Overhauling/Serviceing of Limitorque make actuators of 1X500 MW Unit DVC,BTPS.	Limitorque India Limited- kolkata	OES	Total 40 nos.(approx.) of Limitorque -Make actuators of different types are installed at IPH area of 1X500 MW Unit of DVC,BTPS and are in continuous/intermittent duty(as per requirement) for motorised operation of different valves pertaining to turbine & its auxiliaries area ,Boiler & its auxiliaries area, etc. The main function of these actuators is to operate the corresponding valves attached to the actuators. These actuators play very vital role in generation of the unit as these are operated frequently to control the various parameters which are in turn very critical from O&M point of view. Thus, these have direct impact on the generation of Unit. Hence for smooth and reliable operation of these valves and in turn the unit, healthiness of these actuators is felt very essential. Also, maintenance of these actuators is done mostly in case of breakdowns & it is imperative that a long shutdown of unit is utilised for a thorough overhauling of the same to ensure trouble free and smooth operation. This would prove beneficial in increasing the Service life of the actuators, less consumption of spare parts owing to reduced component failure & saving of down time of critical applications when unit is in service. Our departmental strength and infra-structure are inadequate to carry out the proposed job as this is a type of specialized job and needs expertise to carry out the same. Overhauling of 1X500 MW Unit is scheduled in the month of February 2024, where in these actuators are needed to be overhauled to enhance their service life as well as to ensure their trouble-free smooth operation. To best of my knowledge there is no longer other agency capable to provide such Service which are very critical and will involve high skill set, thus M/s Limitorque India Limited (OEM) or their authorized vendor is best .In view of the above, it is proposed to go for one time Overhauling/Serviceing by outside agency preferably OEM M/s Limitorque India Limited, as they have expertise in carrying out such job of Overhauling/Serviceing.	DVC/Contract/Head Quarter/ES-I A/CMM/Works and Service/00006, GEMC-511687770313524: 31.05.2024	683898.720	3.3(a)	
2	BTPS/HQ	Procurement of Complete Water Injection Valve for LP Bypass System, Make-BOMAFA, installed at BTPS 1X500 MW Unit under CAPEX.	SIMPLEX SWITCHGEAR PVT LTD	OEM	For 1:1 interchangeability & fitment as Water Injection Valve - It supplies spray water to upstream of LP Bypass control valves. Spray water's purpose is to de-superheat the high temp. steam from HRH to dump into condenser at lower temperature during Unit start up, synchronization and shut down. Only one (01) in quantity of this valve is installed and In case of any defect, it shall render the valve unavailable thereby jeopardizing the smooth running of unit. Since these valves are under continuous operation, in due course of running the leaking of valves are imminent due to wear and tear of trim assembly. Moreover, these valves are imported and the lead time of procurement for their spares is also high. Also, this type of valve is nowhere installed in any other 500 MW projects of DVC. Therefore, one complete assembly of water injection valve and BFP Re-circulation valve if kept readily available at site, then it shall be beneficial towards mitigating the aforesaid mentioned problems. The modular valve assembly can be replaced with the defected one and later the defected valve can be refurbished by replacing the damaged valve internal. Hence, considering the above facts, it is felt pertinent to keep one (01) no. water injection and BFP re-circulation valves.	DVC/Contract/Head Quarter/TG A/CMM/Supply/00024/Capital : 21.05.2024	8501500.000	2.3(i)	
3	BTPS/HQ	Procurement of different types of Spare parts of BOBR Air Compressor (model no. KES -55-8.5) Installed at CHP BTPS.	AGRO ENGINEERING EQUIPMENT COMPANY	OEM	For 1:1 interchangeability & fitment as it is felt essential to procure different types of Spare parts of Air Compressor (model no. KES -55-8.5) Installed at CHP, BTPS on OEM basis from M/s Kirloskar Pneumatic Company Ltd.	DVC/Contract/Head Quarter/CHP-1/CMM/Supply/00014, GEMC-511687745839063: 20.05.2024	692309.930	2.3(i)	

4	BTPS/HQ	Procurement for spares of M/s Hitachi Hi-Rel Make UPS System installed in BTPS#A (1X500MW)	Arihant International	OEM	For 1:1 interchangeability & fitment -In BTPS-A, it will be prudent to mention here that the DCS system of Main Plant Package System & CHP Package System, which is a very specialized, sophisticated & state of the art maxDNA system likewise other Package System also equipped with Latest technology of PLC's which is a Highly sophisticated System and dependent on UPS Power Supply. These UPS Systems had been supplied erected and commissioned under EPC contract and are in service since commissioning of Main Plant, Ash Handling Plant, DM Plant, CHP Package and Fire Fighting Package for Powering of the respective system and thus are one of the most critical constituents of total C&I system. The UPSs of different rating were installed in different packages were supplied by M/s Hitachi Hi-Rel Pvt. Ltd. The UPS system feeds uninterrupted 230 V AC quality/stabilized power to these C&I systems, and this is one of the most critical constituents of total C&I system. Presently no spares were supplied against these UPS System to BTPS-A. So, it is felt prudent to procure Spares for these UPS System installed in BTPS-A (1X500MW) on OEM Basis, to minimize equipment downtime as well as for smooth functioning of the system as a whole.	DVC/Contract/Head Quarter/C&I A/CMM/Supply/00009, GEMC-511687799748694: 17.05.2024	4681723.870	2.3(i)	
5	BTPS/HQ	ARC for Maintenance of Substation Automation System (SAS) at 400kV Gas Insulated Switchyard (GIS), DVC,BTPS A.	M/S OMEX ENTERPRISES, Gomia	OES	M/S Schneider electric India PVT LTD is the OEM/OES of the Substation Automation system 400 KV Switchyard, DVC, BTPS. This SAS is utilised for operation of 400 KV GIS, Monitoring the GIS parameter and Supplying the data to remote such as SLDC and CLD , SAS is very much essential to know the healthiness of Switchyard, to know the DR of event from Relay and analytically within short time to know about the fault reason. SAS is Sophisticated electronic device containing so many software with advanced technology. Our departmental strength and infrastructure is in-adequate to carry out the proposed job of ARC for servicing /maintenance of this SAS . Maintenance of SAS is a specialised job and needs expertise to carry out the same. M/S Schneider electric India PVT LTD is the OEM/OES of the said SAS and same has been erected and commissioned. M/S Schneider electric India PVT LTD. has the expertise in carrying out the job of maintenance /Servicing of this SAS. Therefore, it is proposed to engage OEM/OES, M/S Schove beneficial in increasing the Service life of the actuators, less consumption of spare parts owing to reduced component failure &	DVC/Contract/Head Quarter/ES-II A/CMM/Works and Service/00006, GEMC-511687766831181: 13.05.2024	1682208.000	3.3(a)	
6	BTPS/HQ	Overhauling/Servicing of 415V ACBs(Air Circuit Breakers) of C&S-Make pertaining to 1X500MW Unit of DVC,BTPS during schedule overhauling and as on requirement basis.	S C&S ELECTRIC LTD	OES	The ACBs of C&S make are of compact design and their operating mechanism includes charging/discharging springs, spring charging motor, lever, shaft, limit switch, contactors, close-trip coils, thermal overloads, gear, pinions etc. which all are housed inside a very compact breaker truck. During servicing of these breakers , all these components will be checked for respective healthiness and necessary adjustments will be made to ensure their safe and reliable operation. As all these breaker mechanism settings/adjustments were done at manufacturer's factory/workshop, with all necessary markings and hence it is recommended to execute the subject job by OEM for satisfactory performance of these breakers. It is therefore, proposed to engage the service personnel of OEM i.e. M/s C&S Electric Ltd., who have expertise in servicing of these critical switchgear equipments.	DVC/Contract/Head Quarter/ES-II A/CMM/Works and Service/00005; GEMC-511687775914306: 08.05.2024	1799983.800	3.3(a)	
7	BTPS/HQ	Proposal for procurement of spares of Vibrating Grizzly Feeder (VGF) for use in CHP, BTPS-A under CAPEX head.	ELECON ENGINEERING COMPANY LIMITED	OEM	For 1:1 interchangeability & fitment: It is intended to procure the indenting spares of VGF to avoid unforeseen situation or breakdown of equipment and proposed to procure these spares from OEM, M/s Elecon Engineering Co. Ltd., as it ensures better fitment and interchangeability. Spares procured from OEM also provided flexibility to do spare cannibalization in case of emergency.	DVC/Contract/Head Quarter/CHP-1/CMM/Supply/00013/Capital; GEMC-511687707469664: 06.05.2024	12354581.060	2.3(i)	
8	BTPS/HQ	Procurement of spares for PLC system Emerson make (Formerly GEIP) of AHP, BTPS-A 1x500MW, DVC	CSS AUTOMATION PRIVATE LIMITED	OEM	For 1:1 interchangeability & fitment: The indented items spares for PLC system are of M/s GEIP (now the company is known as Emerson Automation Solutions Intelligent Platforms Pvt. Ltd.), hence it is proposed to procure the same from M/s Emerson on OEM basis for one to one replacement i.e. for retrofitting.	DVC/Contract/Head Quarter/C&I A/CMM/Supply/00008; GEMC-511687772094377: 03.05.2024	2007090.320	2.3(i)	

9	BTPS/HQ	Procurement of spares of Kirloskar Make air compressor installed at CHP 1*500MW unit of DVC BTPS on OEM basis.	AGRO ENGINEERING EQUIPMENT COMPANY	OEM	For 1:1 interchangeability & fitment	DVC/Contract/Head Quarter/ES-II A/CMM/Supply/00008, GEMC-511687741253689: 31.05.2024	988979.320	2.3(i)	
10	BTPS/HQ	Procurement of spares for PHE of TG/SG ECW system Installed at Bokaro-1X500 MW Unit.	BALAJI ASSOCIATES	OEM	For 1:1 interchangeability & fitment: Three (03) nos. of TG ECW (approx. 280 nos. of plates in each set) and Two (02) nos. of SG ECW (approx. 300 nos. of plates in each set) PHE of Kelvion India make formerly known as Gea Eco flex are installed in TG area of BTPS A for cooling of TG/SG ECW through ACW. The cooled TG/SG ECW is used to gain the heat of all oil through coolers installed in TG/Boiler areas such as BFP cooler, MOT cooler, vacuum pump cooler, seal oil cooler, Generator cooler, Exciter cooler, compressors, ID/FD/PA fan coolers etc. to provide optimum operating condition to equipment which render the better efficiency and healthy life. Hence, considering the criticality of the item it is felt prudent to procure Spare intermediate plates and gaskets from OEM, Kelvion India Pvt Ltd (Formerly GEA Eco Flex India Pvt Ltd).	GEMC-511687726962267/DVC/Contract/Head Quarter/TG A/CMM/Supply/00025: 29.05.24	7098350.000	2.3(i)	
11	BTPS/HQ	Procurement of 700NB Swing Check Valve (NRV) for ACW Pump (Model 35H), BTPS 1X500MW.	SHREE GAJANAND POWER SYSTEMS	OEM	For 1:1 interchangeability & fitment: There are two nos. of ACW Pumps -Size-35H; Stage-1;Capacity:3650 M3/Hr; Total Bowl Head:42.2 Mtr ;RPM:991 Make: M/s Flowmore Ltd. for BTPS(1X500MW) installed at CW pump house ,out of which one no. of ACW pump running continuously to maintain the temperature of cooling water for auxiliary equipment's of TG & Boiler side through heat exchangers which in turn aims in stable running of different auxiliaries to sustain steady generation of the unit .Outage of this equipment has direct impact on generation of the unit. Currently the NRV of ACW pump # A has developed crack. it is essential to replace the NRV at the earliest for trouble free power generation. It will be replaced by NRV brought from DSTPS in the coming short shutdown of the unit. Also, the condition of NRV of ACW# B is not good and stock position of NRV of ACW Pump is also nil. It is programmed to change the NRV of ACW#B in overhauling of pump during Capital overhauling of unit 1X500MW, scheduled in Feb &March '24 as per rolling plan	GEMC-511687709969040/DVC/Contract/Head Quarter/MS-II A/CMM/Supply/00004/Capital : 29.05.2024	1910248.860	2.3(i)	

12	BTPS/HQ	Procurement of complete assembly of Ash Slurry Disposal Pumps Make Sam Turbo, Model - AR 200/550 for Ash Handling Plant of BTPS	Unicon Techno Solutions Pvt. Ltd.	OEM	For 1:1 interchangeability & fitment: BTPS 1X500 MW unit is continuously generating electricity since the COD of the unit in Feb'2017. In the process of electricity generation, ash is generated and evacuation of the same needs to be done on a continuous basis. Round-the-clock ash evacuation in both wet and dry mode is done by the different equipment of the Ash Handling Plant. Presently 80 % of the ash evacuation is done through wet mode of evacuation. The ash slurry from ESP hoppers and Bottom ash hoppers of the unit is transported to the Ash slurry sump of the 1X500 MW unit. Ash Slurry pumps are used to transport slurry ash from the ash slurry sump to the Combined Ash Slurry System from where it is finally transported to the ash ponds near Noorinagar by the Ash Slurry pump series. The total installed quantity of complete assembly of Ash Slurry Pumps of the Ash Handling Plant of 1X500 MW unit is 03 nos. Further, there are 5 nos. of series, 04 nos. of pumps in each series in Combined Ash Slurry Pump house. Therefore, the total quantity of the Complete Assembly of the Ash Slurry pumps is 23 nos. (07 nos. – Clockwise type and 16 nos. anticlockwise type). The Ash Slurry Pumps are critical in nature and the condition of most of the slurry pumps is not good. The Combined Ash slurry pump house has been running since 2014, initially catering to the requirements of the BTPS 3X210 MW unit, and is presently in service for the transportation of ash slurry of 1X500 MW unit to the Ash Ponds. Similarly, the Ash Slurry pumps of the 1X500 MW have been running continuously since Feb'2014. The said pumps have been in continuous service for a long period now without any major overhauling and therefore frequent breakdown of the pumps is being observed. Some of the common troubles like Body leakages, Liner/Wear plate erosion, seal leakages, and problems related to flow, and suction are being experienced during the running of the pumps which is severely hampering the ash evacuation in Combined Ash Slurry System and the Ash Handling Plant of BTPS 1X500 MW unit as well. It is pertinent to mention that the availability of all the Ash slurry pumps is very much required for smooth ash evacuation and reliable and sustainable generation of the unit.	GEMC-511687782503449/DVC/Contract/Head Quarter/AHP/CMM/Supply/00074/Capital: 29.05.2024	12284646.480	2.3(i)	
13	BTPS/HQ	Procurement of 250 NB MS ERW pipe for erection of pipeline for Recovery Ash water utilization in Ash Handling Plant of BTPS	M/s.SAIL, KOLKATA	OEM	the Ash Slurry pipeline#2 along with the Ash Slurry pump is unavailable for its designated purpose. As such it becomes difficult to put the other available 02 nos. lines and slurry pumps under maintenance as the 02 series and pumps are required for the continuous evacuation of ash from the system without and generation compromises. Further, the presently installed 200 NB line is not sufficient to cater to the discharge flow of one (01) no. HP Ash water pump, which can lead to the overflow of the recovery water sump in CASS which is not at all permissible. Also, already there has been instances of choking of the Ash Slurry Lines and difficulty in the ash evacuation from the system leading to vulnerable situation w.r.t the generation	GEMC-511687784410610/DVC/Contract/Head Quarter/AHP/CMM/Supply/00073/Capital: 28.05.2024	4967952.000	2.3(i)	
14	BTPS/HQ	Procurement of Orifice of Water wall bottom ring header for BTPS (1X500 MW) DVC.	Bharat Heavy Electricals Limited, SSBG-Eastern Region.	OEM	For 1:1 interchangeability & fitment: Orifice plates and Marman Couplings are installed in Water Wall Ring Headers of Boiler. Function of these spares are to distribute the DM water uniformly to each Water Wall tubes. Since, Water Wall panels are connected to Bottom Ring Headers, installed in high heat zone in Boiler. So, flow of DM water through water wall panel must be uniformly to avoid overheating of water wall tubes. Absence of the Orifice plates and Marman Couplings can lead to uneven distribution of DM Water in Water Wall which will ultimately create problem in Water Wall tubes resulting in Boiler tube leakage. During last overhauling of the Boiler, slight wear and tear observed in Orifice plates and Marman Couplings. It may be required to replace these spares during upcoming overhauling which scheduled to be carried in Feb. 2024. There is no stock of these spares at BTPS. The indented items are low value items & quantity to be procured is bare minimum and assessed in such a way that it will fulfil at least next 02 overhauling requirements and also keeping in mind the criticality of item and delivery period of OEM, BHEL which is 365 days from date of placement of the purchase order. Hence, some quantities of each type of Orifice plates are to be kept in stock for replacement in upcoming overhauling of the Boiler. Indented items are listed in approved OEM/OES list (copy attached)	GEMC-511687723974601/DVC/Contract/Head Quarter/MS-I A/CMM/Supply/00009: 27.05.2024	525210.000	2.3(i)	

15	BTPS/HQ	Normal and Abrasibe balls for Condenser onload tube cleaning system (COLTCS)	S K Enterprises	OEM	For 1:1 interchangeability & fitment: The indented item consists of Abrasive and Normal Sponge balls used for Condenser Online Tube Cleaning system (COLTCS) installed in 02 nos. in quantity for two passes of condenser water box in inlet line. The COLTCS unit are operated in sequence on daily basis so that condenser tubes get cleaned thereby maintaining condenser vacuum and hence efficient running of the unit is ensured. As such periodic replacement of the balls is required for effective cleaning of condenser tubes	DVC/Contract/Head Quarter/TG A/CMM/Supply/00023, GEMC-511687712385592: 14.05.2024	536400.000	2.3(i)	
16	BTPS/HQ	Procurement of Duplex Filter Element For TDBFP Governing Oil System, Make – Bhagwati Filters Pvt. Ltd. Installed at Bokaro-1X500 MW.	M/S WESTERN INDIA SUPPLIERS	OEM	For 1:1 interchangeability & fitment: Duplex Filter installed in governing system maintains the cleanliness of governing oil which is essential for smooth operation of stop & control valves and other accessories of governing system of TDBFP Drive Turbine set which has direct impact on saving APC of the unit. However, in due course of running the filters get clogged and has to be replaced as per observation on trip oil pressure drop mandating the filter cleaning. As such, considering the above facts, spare elements of duplex filter are being re-procured as the present stock of the item is nil and to maintain minimum inventory, Item will be procured from OEM	GEMC-511687719899745/DVC/Contract/Head Quarter/TG A/CMM/Supply/00022; 13.05.2024	182563.700	2.3(i)	
17	BTPS	Maintenace of M/s Eltek SGS Pvt Ltd make 24VDC DC SMPS Based Charger System for main Package (SG,TG)System 4X700A,Main Package(BOP)System 4X700A & CW Pump House 2X50A of BTPS -A,DVC On OEM basis for two years Comprehensive Type.	Delta electronics India PVT ltd	Single(OES,OEM)	In BTPS-A, it will be prudent to mention that the 24VDC power supply is required for powering the DCS system of Main Plant & CWPH, which is a very specialized, sophisticated & state of the art maxDNA system. The 24 V DC SMPS Based Charger System feeds uninterrupted 24V DC quality/stabilized power to these C&I systems and thus is considered to be one of the most critical constituents of total C&I system. Hence, the 24 V DC SMPS Based Charger System requires proper predictive and preventive maintenance on periodical basis. Under existing Main Plant AMC, the day to day maintenance of 24 V DC SMPS Based Charger System is being looked after by DVC Engineers only with assistance from Supervisor/ Technician against running Main Plant ARC. But in event of a major breakdown, the job demands for specialized technical expert to minimize the down time for which “Original Equipment Manufacturer ” is the best option. The same is not cover under the C&I Main Package and AHP running ARC vide W.O. No. NO: DVC/Contract/BTPS/C&I A/C&M/Works and Service/00023 Dated 28/04/2022 and any composite ARC in the plant. Therefore, for smooth and reliable operation of above 24 V DC SMPS Based Charger System, the support of OEM i.e. M/s Eltek SGS Pvt. Ltd. for event of major breakdown and quarterly healthiness checking and proactive maintenance for a period of Two Years.	GEMC-511687700947046 (DVC/Contract/BTPS/C&I A/C&M/Works and Service/00036) Dated 03/05/2024	1618032.00	4.3(a) of DFP Generation(O & M) AND System, 2015	---