

DETAILS OF CONTRACTS AWARDED ON SINGLE TENDERS (OES,OEM) BASIS										
PERIOD : SEPTEMBER, 2023.										
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	Related DFP under which the Work has been awarded	Status of Work	
1	BTPS	Procurement of Chiller Compressor installed in SWAS System of BTPS-A.	BEIJER REF INDIA PRIVATE LIMITED	Single(OES,OEM)	Items are enlisted in OEM/OES list issued by vide no ED (Opn)/PS/29/108 dated 16.12.2021 and ED (Opn)/PS/ 29/104 dated:10 /12/2021. These chiller compressor units are used for the SWAS system . Malfunctioning of Chiller Compressor may lead to failure in SWAS system leading to wrong data for operation of different dosing pump's , which may lead to boiler tubes damage also. 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 in demand note on OEM basis for exact retrofit & technical requirement of scheme.	DVC/Contract/BTPS/C&I A/C&M/Supply/00117 Dated 07/09/2023	89960.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---	
2	BTPS	Procurement of spares for 225KW and 550KW Marathon make motors installed at CHP.	M/s TECHNO SERVICES ENGINEERING SYSTEMS PVT. LTD	Single(OES,OEM)	There are three nos. of 225KW conveyor belt motors (1487 RPM,3 PHASE, 3300 VOLTS, 48.5 AMP, REF:IS325, FRAME:DC280F710 ,TYPE:FLOWPAK 2, M/C NO.: F380843/1 of M/s Marathon electric motors(India) limited make) and three nos. Of 550 KW (743 RPM, 3 PHASE , 3300 VOLTS ,135 AMP , REF: IS325, FRAME: DC450U1120, TYPE: UNIPAK 2, M/C NO.:U310215/2 of M/s Marathon electric motors(India) limited make) two no. 225KW motor installed(excluding one spare motor) for conveyor 11A/11B and two no. 550 KW installed(excluding one spare motor) for crusher in CHP main path of 1x500 MW Unit of DVC,BTPS these motors are always in service for crushing and feeding the coal to the bunker and to the stacking yard. Outage of any of these equipment has direct impact on generation of the unit as well in demurrage due to untimely unloading of coal through track hopper. Minimum spares for the motor is always needed to ensure the availability for immediate replacement in case the motor became out of service because of its spare part damage/defective. Items are as per equipment's enlisted in annexure II of OEM/OES list issued by ED(C&M) vide no DVC/Head Quarter/CMM/861 dated 04.11.2022, and to the best of my knowledge no substitute for the items covered in the indent are available in the market and there is no other vendor available for supply of the indented item. Hence proposed to procure indented items on OEM i.e M/s Marathon electric motors(India) limited {M/s Marathon Electric Motors (India) Limited has authorized M/S TECHNO SERVICES ENGINEERING SYSTEMS PVT. LTD to participate the subject tender GEM/2023/B/3174191 Dated: 23-02-2023}.	Contract No: GEMC-511687701080703 Generated Date: 07-Sep-2023 (DVC/Contract/BTPS/ES-II A/C&M/Supply/00148) Dated 09/09/2023	3091348.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---	

3	BTPS	Supply of Fixed & Moving Isolator assembly at DVC, BTPS.	PROJECT ELECTRICAL INDUSTRIES (INDIA) PVT LTD	Single(OES, OEM)	Project electrical industries (India) Pvt Limited make Isolators were utilised in three nos bay such as line 233 , line 234 & ICT-1 in 220 KV BTPS switchyard. Hence total seventy two set fixed contact assembly & thirty six set moving blade assembly were utilised in above mentioned Bays. A capital budget was proposed in BE 2022-23 which was approved and enclosed . Twelve sets of fixed contact assembly and Six set of Moving blade assembly is proposed to procure to maintain the inventory at site and mitigate the future requirement.	Contract No: GEMC-511687711278763 Generated Date: 07-Sep-2023 (DVC/Contract/BTPS/ES-II A/C&M/Supply/00149) Dated 09/09/2023	1451400.00	7.3(i) of DFP Generation(O & M) AND System, 2015	---
4	BTPS	Procurement of Spares for Hotwell Level Probe, Cable & its Electronic Unit for BTPS A, 1*500 MW	M/s Hi-Tech Systems & Services Ltd	Single(OES, OEM)	These level switches (along with its electronic unit, cable and probe insert) are used for the protection of Condensate Extraction Pumps and for CRH drain pot level. Malfunctioning of Hotwell level switches may lead to failure in pump's protection circuit or on the other hand unwanted tripping of Condensate Extraction Pumps, which may lead to tripping of the unit also. Malfunctioning of CRH drain pot level switches may hamper the smooth and safe running of the turbine. These Electronic Units are used in level detection of CRH Drain Pot, which is a very important indication for smooth and safe running of the Turbine. As one of the electronic unit is faulty, it needs to be replaced by a new one and another one will be kept as spare. 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 in demand note on OEM basis for exact retrofit & technical requirement of scheme.	DVC/Contract/BTPS/C&I A/C&M/Supply/00120 Dated 14/09/2023 (GEMC-511687717186606 Dated 09/09/2023)	877282.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---
5	BTPS	Procurement of Panickker make load break switch pertaining to CHP,DVC,BTPS on OEM basis.	PANICKKER SWITCHGEAR PVT. LTD.,	Single(OES, OEM)	There are two numbers of 3.3KV Panickker make Load Break switch installed at stacker Reclaimer of CHP. Load break switches are devices used to open an electrical circuit by isolating the source from the consumer . These devices ensure the on-load making, breaking and safety disconnection of electrical circuits. This load break switches are installed for transporting power through 3.3KV XLPE cable to 3.3KV Flexible cable installed at moving stacker reclaimer. From this load break switch the 3.3KV is fed to 500KVA, 3.3KV / 415V) transformer installed at stacker for equipment's installed in stacker. Breakdown of the load break switch may occur due to aging, internal & external fault etc. Hence, it's always necessary to maintain minimum quantity of same so that it will be utilized /replaced at the time of need and the system will be normalised with in optimum time. Panickker switchgear private limited being the OEM for the Load break switch installed in stacker reclaimer. Hence it is felt necessary to go for procurement of Load break switch from Panickker switchgear private limited on OEM basis.	DVC/Contract/BTPS/ES-II A/C&M/Supply/00150 Dated 14/09/2023 (GEMC-511687718131761 Dated 09/09/2023)	354000.00	7.3(i) of DFP Generation(O & M) AND System, 2015	---

6	BTPS	Proposal for Procurement M/s Hach Make Analysers spares of DM Plant & CW Treatment of BTPS#A (1X500MW) on OEM Basis.	M/s Amalgamated Biotech,CIT Road	Single(OES,OEM)	For Smooth/trouble free running of plant, water chemistry plays vital role, for this basic online measurements are being done in DM Plant mainly pH, conductivity, sodium & Silica and pH Measurement in CW Treatment Plant. The Analyzers installed in DM Plant are being used for various online measurements which are very essential from power plant water chemistry point of view. These measurements are used for proper chemistry management such as minimization of traces salt and silica Deposition/contamination (Minerals deposition and particulate matter leads lower heat exchange and corrosion of both turbine & boiler other related auxiliaries), and monitoring of pH ranges (Acidic water causes corrosion of tubes) . This not only prevents costly and unscheduled outages, but also greatly extend the useful lifetime of the plant. Presently no spares were supplied against these analyzers to BTPS-A. So, it is felt prudent to procure Spares for these analyzers installed in DM Plant & CW Treatment of BTPS-A (1X500MW), to minimize equipment downtime as well as for smooth functioning of the system as a whole. Items also mentioned in approved OEM/OES list.	GEMC- 511687715479222 dated 02/09/2023 (DVC/Contract/BTPS /C&I A/C&M/Supply/00118) Dated 15/09/2023	3321352.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---
7	BTPS	Procurement of Actuators of Vacuum Pump for BTPS(1X500MW)	HI-TECH CONTROLS	Single(OES,OEM)	BHEL Make 500 MW Unit at BTPS commissioned in the year 2017 has been provided with the Keystone make pneumatic actuators which operate the Airjet valve, System Inlet valve & Bypass valve of Vacuum Pumps for maintaining Condenser vacuum. These Actuators, of Emerson- Keystone make and mentioned specifications are retrofit and one to one replaceable during any shutdown for the corresponding Vacuum pump. These actuators are required to operate & regulate Airjet valve, System Inlet valve & Bypass valve of Vacuum Pumps. With any of these actuators/valves inoperative or malfunctioning, vacuum cannot be maintained & generation of power will not be possible. These items are also mentioned in OEM/OES list vide order No. ED(C&M)/21-22/OEM-634 dated 23/08/2021 & even no. 680 dated 22/10/2021.	GEMC- 511687726761104 dated 08-09-2023 (DVC/Contract/BTPS /C&I A/C&M/Supply/00119) Dated 15/09/2023	447137.40	7.3(i) of DFP Generation(O & M) AND System, 2015	---
8	BTPS	Procurement of SPARE OF OVER/UNDERVOLTAGE MONITORING RELAY FOR BTPS A (1*500 MW), DVC	UNIVERSAL SYSTEM	Single(OES,OEM)	These Relays are used in every DCS panel for monitoring Supply (DC) voltage. The MCB for the supply voltage trips whenever the relay senses overvoltage or under voltage. Malfunctioning of these items may lead to failure in monitoring Healthiness of DCS panel and may compromise the safety of the unit. 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 in demand note on OEM basis for exact retrofit & technical requirement of scheme.	GEMC- 511687788716826 dated :15-09-2023 (DVC/Contract/BTPS /C&I A/C&M/Supply/00121) Dated 19/09/2023	664800.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---

9	BTPS	Procurement of Forbesmarshall make spares for dust monitor for 1*500 MW, BTPS through GEM portal	FORBES MARSHALL PVT. LTD.	Single(OES, OEM)	Forbes Marshall make Opacity monitor DCEM2100 and SOx, NOx analyser FMGCEM40XX are in use for dust monitoring and SOx NOx monitoring installed at ID fan O/L (105 meter chimney). Till today the data has been communicated to Pollution Control Board through 4-20 mA connection of DDU display interface card. Now we are going to upgrade the system through Black-box communication, for that DDU interface card with RS485 connection is needed. Opacity and gas data uploading to Pollution Control Board should be uninterrupted process. In view of that this DDU interface card is very critical. These items are also mentioned in approved OEM/OES list.	GEMC- 511687796246662 dated :15-09-2023 (DVC/Contract/BTPS /C&I A/C&M/Supply/0012 2) Dated 19/09/2023	497016.00	8.3(i) of DFP Generation(O & M) AND System, 2015	---
10	BTPS	Procurement of SPARES for Journal Roller & Spring Assembly of XRP1003 Coal Mill of BTPS 500 MW unit.	Bharat Heavy Electricals Limited, SSBG-Eastern Region.	Single(OES, OEM)	BTPS 500 MW unit has 8 Nos. of XRP1003 Coal Mills for pulverizing the raw coal, which is running Since COD of unit in Feb, 2017 Each of these Mills has three Nos. of Journal Roller and Spring assemblies which crush the raw coal and pulverise it into fuel thus 24 Nos. of these assemblies are installed in BTPS 500 MW unit in addition to it three No. are kept as modular spare which are kept in serviced condition and replaced during overhauling for reducing the downtime of coal Mill thus 27 Nos. of Journal Roller and spring assemblies are in use at site. After completion of expected running hours for grinding element and considering the wear the assemblies are replaced along with replacement of grinding elements, the assemblies taken out is then serviced the indented items are of vital requirement during servicing of these assemblies, detail justification is attached here with along with justification for more than moving average for some items with deemed necessary to procure quantity more than moving average. Hence Proposed to be procured from M/s. BHEL, SSBG-ER on OEM Basis to have genuine grade of material, better working life & hassle-free operation of the Mills. Items mentioned in OS&U approved OEM/OES List.	DVC/Contract/BTPS/ MS-I A/C&M/Supply/0011 6 Dated 27/09/2023 (GEMC- 511687768210752 Dated 26/09/2023)	6612194.04	8.3(i) of DFP Generation(O & M) AND System, 2015	---
11	BTPS	Procurement of Bowl hub and Bowl of XRP1003 Coal Mill of BTPS 500 MW unit.	Bharat Heavy Electricals Limited, SSBG-Eastern Region.	Single(OES, OEM)	Bowl hub and Bowl are subpart of XRP1003 Coal Mill.8 Nos. of XRP1003 Coal Mills are installed at BTPS 500 MW unit. Each Coal Mill has a bowl on which Bullring segments(Grinding Media) are fixed as It rotates the Grinding Roll crushes and pulverized the Raw coal over it .Bowl hub transmit the power from Planetary Gearbox to The Bowl , Both are insurance spare and also in critical item list for BTPS 500 MW unit. Items also mentioned in OS&U approved OEM/OES List.	GEMC- 511687764056572 Generated Date: 28-Sep-2023(DVC/Contract/ BTPS/MS-I A/C&M/Supply/0011 7) Dated 29/09/2023	8143180.00	7.3(i) of DFP Generation(O & M) AND System, 2015	---

12	BTPS	Procurement of Coal Compartment and Burner spares for BTPS-500 MW unit.	Bharat Heavy Electricals Limited, SSBG-Eastern Region.	Single(OES, OEM)	DeNox Modification of BTPS (1 X 500 MW) unit has been done during last BOH of Unit in December 2021. Modified Burner and Air tips were installed for the purpose of reduction of NOx. Next Capital overhauling of unit is due in Feb 2024, in which all the Burners system will be overhauled. As we do not have sufficient Burner nozzle and tip along with spares to make Ready 32 No. Compartment assemblies at Site which will be replaced one to one during the overhauling. In wake of De-nox Modification last PO for Compartments assemblies (DVC/Contract/BTPS/MS-I A/C&M/Supply/00042 Dated 31/01/2019) was Cancelled on advice of OS&U (Email dated 15/9/2019) as it would have become redundant after De-nox modification. As modification work has been done. Now it is prudent to procure the modified compartment assembly and its spares, proposed items play pivotal role in the operation of tilting tangential firing system. In the course of operation, indented items get wear out/damage, required to be replaced to ensure reliability and healthiness of the Boiler. These spares mostly found damaged during dismantling at the time of overhauling of unit. However, BHEL has supplied some spares in mandatory spares, which is inadequate to cope up the requirement during upcoming overhauling of the unit. At present stock position of the said items are not healthy, needs to procure adequate quantity to fulfil the maintenance/overhauling requirement. Also its availability would ensure job completion within prescribed timeframe. So to avoid any delay. Considering the criticality of application on performance of Boiler, proposed to be procured On OEM basis through GEM. OEM for these spares are M/s BHEL Trichy.	GEMC- 511687760386701 dated 29-09-2023 (DVC/Contract/BTPS /MS-I A/C&M/Supply/00118) Dated 30/09/2023	23492263.49	8.3(i) of DFP Generation(O & M) AND System, 2015	---
13	BTPS	Procurement of spares for capital overhauling and recommended critical spares for main Turbine on OEM basis from M/s BHEL for BTPS 1X500 MW.	M/s BHEL, PSER	Single(OES, OEM)	As per overhauling rolling plan, BTPS 500MW is scheduled for its capital overhauling in the year 2023. Items being intended for procurement are critical in nature and are required to be proposed capital overhauling of the unit. As such considering the above facts we are intending to spares for capital overhauling and recommended critical spares for main turbine. Items are mentioned in recommended critical spares for main turbine on OEM basis of OS&U approved list.	GEMC- 511687768571538 dated 29-09-2023 (DVC/Contract/BTPS /TG A/C&M/Supply/00143) Dated 30/09/2023	12701354.05	8.3(i) of DFP Generation(O & M) AND System, 2015	---

14	BTPS	Procurement of M/s Siemens make EDO type 3 pole ACB (equivalent to model 3WT8) of rating 630 A for stacker reclaimer installed at CHP of DVC BTPS on OEM basis.	MIRC ELECTRO TRADE PVT LTD	Single(OES,OEM)	<p>There is only One incoming breaker in stacker reclaimer switchgear panel to feed power to Motors and lighting arrangements which is in service since inception of stacker and subject to periodic switching operation during any fault ,scheduled shutdown due to preventive maintenance and due to breakdown maintenance etc. The above breaker need 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 equipments and Plc systems available in stacker. Due to ageing and switching operations of these breakers few mechanical components tends to deteriorate and sometimes gets completely damaged resulting in unavailability of the breakers and thus may effect the generation due to unavailability of one of the feeding path. Therefore, a minimum quantity of one spare breaker need to be always available so that the immediate replacement can be done with in minimum time period.</p> <p>Considering the above mentioned conditions, the procurement of Breakers is very much essential and the quantity to be procured is kept minimum. M/S Siemens is the OEM of circuit Breaker. Hence for proper retrofitting with 1:1 interchangeability the breakers from OEM is felt very much essential. Items are mentioned at page no. 5 of annexure II in OEM/OES list issued by ED(C&M) vide no DVC/Head Quarter/CMM/861 dated 04.11.2022 under equipment - 33KV/11KV/6.6KV/3.3KV/415V switch gear with sparelist description.</p>	GEMC-511687729994753(DVC/Contract/BTPS/E S-II A/C&M/Supply/0015 1) Dated 25/09/2023	421491.87	7.3(i) of DFP Generation(O & M) AND System, 2015	---
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1	BTPS	Procurement of spares of Dome Valves related to Surge Hoppers and D-Pumps and Telescopic Chute pertaining to Dry Ash Handling System of AHP 500MW unit	M/s. MACAWBER BEEKAY PVT. LIMITED	Single(OES, OEM)	<p>Presently ash evacuation is done in Wet mode as well as Dry mode. Dry ash evacuation is being done to increase dry fly ash utilization in line with MoEFCC's notification (Copy attached at Sl. - 9) for fly ash utilization and 100% fly ash utilization is to be achieved in a phased manner from TPPs. The Dry ash system consists of Receiver Hopper, Lock Hopper, Surge Hopper and D-Pump with discharge lines to Silos. The dry ash handling system is provided with dome valves of various sizes which play a vital role in the evacuation of dry fly ash from different areas. These dome valves are used for direct handling of highly abrasive ash at high temperatures from various areas, and hence are subjected to continuous corrosion and erosion. As such, dome valves and its spares are one of the fastest-moving items of the Ash Handling Plant. Also, the flexible cloth of the unloading spout is subjected to erosion while loading of bulkers and gets damaged thus creating nuisance in the area which is hazardous in nature, requiring immediate replacement. Further, for maximizing the output of the dry ash system and hence fly ash utilization, various spares of the valves are required for the replacement of the damaged internals of the dome valves. Some of the spares were procured earlier and have been consumed and presently we have an insufficient quantity of the spares (Backup Sheet Attached) to meet our requirement during the exigency situation. Also, the dry fly ash evacuation is associated with valve operation, which upon failure may lead to high hopper levels and low vacuum during evacuation and which in turn may finally lead to deterioration of Stack Parameters and complete stoppage of the evacuation. Keeping in view that the fly ash utilization is going to increase in the near future healthiness of the dry ash evacuation system is to be maintained. In view of above it is proposed to procure the indented spares of the above dome valves and Telescopic Chute from M/s Macawber Beekay Pvt. Ltd. on OEM basis based on the OEM/OES list vide no. - OEM OES list vide no. - DVC/Head Quarter/CMM/861 dt. - 04/11/2022.</p>	GEMC- 511687792735681 (DVC/Contract/Head Quarter/AHP/CMM/Supply/00020) Dated 28/09/2023	2322073.62	2.3(i) of DFP C&M	---
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2	BTPS	Procurement of Mechanical seal installed in TG & SG DMCW pumps, Primary water pumps, Condensate Transfer Pumps, Boiler Fill pumps, Make- Leak-Proof Engineering (I) Pvt. Ltd for BTPS 1X500 MW Unit.	Leak-Proof Engineering (I) Pvt. Ltd.	Single(OES,OEM)	<p>The indented items consist of Complete Mechanical seal assembly for DE & NDE side of TGDMCW pumps, SGDMCW pumps, Primary water pumps, Condensate transfer pumps and Boiler filling pumps, make –Leak-Proof Engineering (I) Pvt. Ltd. installed in BTPS-1X500 MW Unit. All the items being indented are proposed to be re-procured since the same has been consumed during breakdown maintenance and schedule servicing of the pumps which remain in continuous operation throughout the running of unit. The proposed quantity has been considered keeping in view the high lead time of procurement. Since the available stock of item is nil, the time by which these spares shall be available tentatively more than 1 years would have been passed by. If during this period any break down of the items occur, then it shall jeopardize the availability of, and unit capability shall be unlikely to get utilized due to reasons as mentioned above. Rubbing and wearing of stationary and rotating parts are imminent as such it is difficult to ascertain which parts shall wear out early leading to mechanical seal failure and leakage. These mechanical seals come in cartridge assembly. Failure of mechanical seals increase the down time of pumps which shall be detrimental for unit due to the unavailability in times of exigency. Items also mentioned in approved OEM/OES.</p>	GEMC-511687748672689 (DVC/Contract/Head Quarter/TG A/CMM/Supply/00003) Dated 28/09/2023	500428.56	2.3(i) of DFP C&M	---
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3	BTPS	Procurement of 02 nos. Complete Assembly of Vacuum Pumps (Water Ring Vacuum Pump complete without motor, MODEL: Size-200) for Ash Handling Plant of BTPS 1X500 MW	Aeromatic Engineering Private Limited	Single(OES, OEM)	<p>BTPS 1X500 MW unit is in continuous operation and simultaneous evacuation of Ash from the ESP, APH & Duct hoppers in wet and dry mode needs to be done. There are 08 nos. (4 W+4 S) of Vacuum Pumps installed for the evacuation of Ash from the ESP, APH & Duct hoppers. These Vacuum Pumps run continuously and are thus subjected to handle residual ash from the bag filters, due to which wear, tear and erosion of the internals (casing, control cone, side cover and impeller) takes place. Owing to the continuous erosion, the efficiency of the Vacuum Pump decreases and consequently the evacuation is affected leading to high hopper levels and ultimately disturbed stack parameters. Last year, one of the previously purchased complete set of the vacuum pump has been installed for replacement of the damaged one. Presently we do not have any complete assembly of the Vacuum Pump to meet any exigency. The BTPS 1X500 MW unit has been continuously running since COD of the unit in 2017, the vacuum pumps have undergone wear and tear and consequently the performance of the vacuum pumps have deteriorated over this period and thus needs replacement. Further, considering that the fly ash utilization is going to increase in the coming days, it is prudent to procure 02 nos. of Complete Assembly of Vacuum Pumps for replacement of the existing Vacuum pumps for better ash evacuation from the ESP, APH and Duct hoppers and sustainable and reliable generation of the unit. In view of above it is proposed to procure 02 nos. complete assembly of the vacuum pumps (Water Ring Vacuum Pump complete without motor, MODEL: Size-200) from M/s Aeromatic Engineering Pvt. Ltd. formerly known as Vacunair Engineering Co. Pvt. Ltd. on OEM basis. Complete assembly of the Vacuum Pump and its spare is included in the approved OEM/OES list vide no. – DVC/Head Quarte/CMM/861 dt. – 04.11.2022, at Sl. No. – 17 of Annexure -VII. Also, Vacuum pump assembly is included in the approved Capital Spares list vide no. – EDCON/OS&U/Capital Spares/2022/26 dt. – 26.07.2022 at Sl. No. -27 of Ash Handling Plant Capital Spares list.</p>	<p>Contract No: GEMC-511687765326917 Generated Date: 30-Sep-2023 (DVC/Contract/Head Quarter/AHP/CMM/Supply/00021/Capital) Dated 30/09/2023</p>	2990694.00	2.3(i) of DFP C&M	---
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4	BTPS	PROCUREMENT OF 01 NO. COMPLETE ASSEMBLY OF CLINKER GRINDER FOR BOTTOM ASH HOPPER OF ASH HANDLING PLANT,1x500 MW, BTPS	FLUID TECH AGENCIES	Single(OES, OEM)	<p>BTPS 1X500 MW unit is in continuous operation and simultaneous evacuation of the burnt-out coal clinkers is carried out after being grinded in the four (04) no. of Clinkers Grinders of Bottom Ash Hoppers, in wet slurry mode. The 04 no. of Clinkers Grinders, two (02) at a time are put in service per shift for Bottom Ash Deashing. As these Clinkers Grinders are subjected to handle coarse clinkers which is abrasive nature, wear & tear takes place in its internals and rollers. Presently we do not have a complete assembly of the said Clinker Grinder to meet any exigency. Moreover, the availability of the Clinker Grinder is directly related to the ash slurry disposal and in turn sustainable and reliable generation of the unit. As such, Clinker Grinder is one of the most vital equipment of the Ash Handling Plant and its availability is a must for running of the unit for continuous generation. Keeping in view the above it is prudent to procure a complete assembly of the Clinker Grinder 18'' for Bottom Ash Hopper (Drg. No.-MB/C-940/61906 D Rev 1). Items mentioned in approved OEM/OES List.</p>	<p>GEMC- 511687792875307 AND DVC/Contract/Head Quarter/AHP/CMM/S upply/00019/Capital Dated 29/09/2023</p>	2419958.00	2.3(i) of DFP C&M	---

SI 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	Related DFP under which the Work has been awarded	Status of Work
1	BTPS	Service contract for a period of 2 years regarding periodic visit towards comprehensive servicing/maintenance of (YKP-11 ,220 V DC,40 A,125 AH),(YKP-19 ,220 V DC,50 A,225 AH) ,(NMST800 ,48 V DC,80 A ,800 AH) and (NMST600 ,220 V DC,60 A ,600 AH)capacity battery bank pertaining to ES-II section,DVC,BTPS	EXIDE INDUSTRIES LIMITED	Single(OES, OEM)	<p>There are two numbers of YKP-11,220 V DC, 40 A, 125 AH and two numbersYKP-19,220 V DC, 50 A, 225 AH capacity battery bank installed at RAW water MCC room pertaining to OPH (E) and new CHP control room (MCC-2) of 1X500 MW unit which are in service since 2016 and 2018 respectively for providing the DC supply to the DC switch gear for its operating mechanism(closing ,tripping, spring charging motor) , panel indication , panel relay operating coil , transformer local protection panel , of the associated equipments and emergency lighting under water package, DM plant and new CHP of 1X500 MW unit. Similarly two number each of NMST800, 48 V DC, 80 A, 800 AH capacity VRLA battery bank and 220 V DC, 60 A, 600 AH capacity VRLA battery bank are installed at 400 KV GIS control room for providing necessary DC supply for relay, protection, annunciation etc. to switchgear of 400 KV GIS system. Hence, these DC systems are required to be maintained at their highest level of reliability from safety aspects of Plant and machinery.</p> <p>Operational Reliability of DC System is of topmost priority at a power station. Periodic checking, condition monitoring and necessary repair/rectification works is very much essential to monitor the health of the Battery system and to get trouble free and extended service life of these Battery banks. Considering normal lead time in finalization of contract for servicing of individual affected Battery Bank on case to case basis, Rate Contract appears to be very convenient and effective means in getting access to go for immediate/planned servicing action. Also there is in-adequate departmental Strength and infra-structure to carry the proposed job as this is a type of specialized job and needs expertise to carry out the same. Therefore, it is proposed to engage outside agency having expertise for the same to carry out the subject job. As all these Battery banks are supplied, erected and installed by M/S Exide, it is recommended to execute the subject job of servicing of station Batter Banks by expert personnel of OEM, i.e. M/S Exide, who have expertise in such type of servicing/ health check-up jobs of Battery Banks.</p>	DVC/Contract/BTPS/ES-II A/C&M/Works and Service/00082 dated 30/09/2023	371000.00	4.3(a) of DFP Generation(O & M) AND System, 2015	---

2	BTPS	Annual Rate Contract (ARC) for maintenance of GE IP make PLC/SCADA system of Ash Handling Plant alongwith Dry Fly Ash System of DVC,BTPS-A(1X500 MW).	CSS AUTOMATION PRIVATE LIMITED	Single(OES, OEM)	M/s GE-IP make PLC System is in service at AHP in BTPS-A (1X500MW). The PLC System had been supplied erected and commissioned under EPC Contract and are in service since commissioning in Ash Handling Plant for control of the system and thus are considered to be one of the most critical constituents of total C&I system. As the PLC maintenance job is of special nature & presently maintenance of GEIP Make PLC/SCADA System of AHP System of BTPSis being carried out by the OEM through an ARC vide No. DVC/Contract/BTPS/C&I A/C&M/Works and Service/00013 Dated 22/08/2020 which is going to expire on 21/08/2022 . This work is required to be continued further. Therefore, it is proposed for an Annual Rate Contract (ARC) for maintenance of GEIP Make PLC/SCADA System of AHP System of BTPS, DVC on OEM basis as per standard scope of work from OS&U section, HQ , Kolkata attached herewith .	DVC/Contract/BTPS/C&I A/C&M/Works and Service/00033 Dated 30/09/2023 (GEMC-511687710125853 Dated 14/09/2023)	454300.00	4.3(a) of DFP Generation(O & M) AND System, 2015	---
1	BTPS	ARC for maintenance & servicing of LECO TGA 701 (Thermo Gravimetric Analyser) & LECO AC-350 (Automatic Bomb Calorimeter)for one year.	I.R.Technology Services Pvt. Ltd.	Single(OES, OEM)	Thermo gravimetric analyzer is used for proximate analysis of coal samples and Automatic Bomb Calorimeter is used for estimating gross calorific value (GCV) of coal and fuel oil samples. So, for proximate analysis and gross calorific value of coal, we depend on both the instruments. Since these instruments are very sophisticated, there is a need for periodic maintenance, servicing and calibration by experts. Also, our coal lab is accredited in accordance with ISO/IEC 17025:2017 from NABL for which accuracy of measurement is essential. Hence it is felt prudent to go for annual maintenance contract of Thermo Gravimetric Analyzer, Model: 701 & Automatic Bomb Calorimeter, Model AC-350 (Both make M/s Leco corporation, USA) for getting reliable & sustained performance of the instruments. Presently both the instruments were maintained, serviced and calibrated by OES M/s I. R. Technology Services Pvt. Ltd. of India Vide W.NO: DVC/Contract/BTPS/OS A/C&M/Works and Service/00011 Dated 26/11/2021 which is expired on 25.11.2022.	GEMC-511687767149998 AND DVC/Contract/Head Quarter/OS A/CMM/Works and Service/00001 Dated 12/09/2023	227150.00	3.3(a) of DFP C&M	---