

DETAILS OF WORKS / CONSULTANCY / PURCHASE CONTRACTS AWARDED ON NOMINATION BASIS

4TH QUARTER OF 2018 - 19 (JAN 2019 - MAR 2019)

DETAILS OF WORKS / CONSULTANCY CONTRACTS

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Sr. No.	Description of Item	Cost (Rs. in Lakhs)	Name of the Agency	Contract Period	Reason for nomination	Approving Authority	UNIT
1	Name of the Work:	Estimated Cost:	M/s Prasanna Engineering Corporation C-7, Kundan Tank street Block-11, Neyveli-607803, (Tamilnadu)	30 DAYS	This is urgent job in view of failure of boiler hair pins will result into the Breach in the system boundary and a major light water leak concern. To get the station back on power in minimum time it is necessary to get the job done by the Contract. It is recommended to get this job done as soon as possible to avoid the revenue loss and to maintain the system integrity.	Station Director	Unit-1&2, RR Site
	In situ Repair of pin hole in Boiler hair pins shell at RAPS-2	25.06					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	NPC/RRS/12/2019/NT-A1921	25.06	06.02.2019				
	Work Order Details:		End Date:				
63974 dtd. 20.02.2019		08/03/2019 (30 days as per Work order start Date)					
2	Name of the Work:	Estimated Cost:	M/s Trafalgar EPC Private Limited Unit no. 108, BPTP Park Centra, Setor-30, Gurgaon-122001.	15 DAYS	On 18/03/2019, in RRS Unit-5, Turbine Fire alarm appeared from TB 111 m EL, subsequently Generator hydrogen pressure reduced and also differential pressure across hydrogen seals had reduced significantly with increase oil return flow at Turbine end Hydrogen seal. Turbine was tripped. Oil was found spread on floor near bearing-5 and bearing-6. During coasting down, TG bearing #4 and #5 reached above 1500C; hence inspection of TG bearings & hydrogen seal is required to assess internal condition of bearings and hydrogen seals. This is special nature job of maintenance on turbine bearings & hydrogen seals, which is not regular work. Hence expert manpower resource is required through contract. In view of the quantum of different nature of jobs to be executed during unit shutdown with minimum possible period, departmental man power are not sufficient to take care of all the jobs and hence it is proposed to get the works executed by OEM authorized representative on work contract basis. Job has to be executed in RAPS-5 PSD and Unit has to brought back at the earliest after execution of present proposed job.	Station Director	Unit-5&6, RR Site
	Inspection & maintenance of both Hydrogen seals and TG Bearing#4, 5 & 6 of Turbo-Generator at RR site Unit-5.	24.15					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	NPC/RRS/56/2019/ ST-A1944 Converted to NT during financial concurrence	25.72	24.03.2019				
	Work Order Details:		End Date:				
63990 dtd. 26.03.2019		07.04.2019 (15 days as per Work order start Date)					

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Sr. No.	Description of Item	Cost (Rs. in Lakhs)	Name of the Agency	Contract Period	Reason for nomination	Approving Authority	UNIT
3	Name of the Work:	Estimated Cost:	M/s Ultra Tech Engineers	3 months	<p>While taking up the installation work of Horizontal Flux Unit (HFU) and Poison Injection Unit (PIU) Components in Unit-3, it is observed that due to space constraint, the Carrier Tube Assembly (CTA) of HFU (2 Locations); And Injection tube assembly of PIU (3 Locations), cannot be installed without dismantling the crane since the length of CTA of HFU is approx. 13 meters and injection tube of PIU is 7 meters respectively. Therefore, its handling in horizontal position of referred locations cannot be taken up.</p> <p>In order to complete the installation of above internal components of Horizontal Reactivity Devices, it is necessary to dismantle this EOT crane and after completion of the installation of CTA and Injection tube, this EOT crane shall be re-erected. In view of upcoming activities of RD and to release the terminals to piping group, it is required to start the work immediately by experienced contractors available at site. It is to mention that the quantum of work is also not significant and specific in nature which required special task oriented manpower with expertise supervision.</p>	PD	KAPP 3&4
	Dismantling, lowering, re-erection, commissioning and load testing of EOT crane No. 3-7611-CR-1 in RB-3	8.65					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/3-4/RE/2018/MT/757 dated 23-01-2019	8.37	05-02-2019				
	Work Order Details:		End Date:				
KAPS/CTC/3-4/RE/CAP/2019/WO/80360		05-05-2019					
4	Name of the Work:	Estimated Cost:	CSIR - SERC (Council of Scientific and Industrial Research)	3 months	<p>The construction of MAIN Plant Civil Structures of Unit-3 is almost completed and the Integrated Leak Rate Test (ILRT) & Structural Integrity Test SIT-Proof test) of Inner containment is planned to be conducted in the month of Feb-2019. As per the approved procedure for ILRT & SIT (dated 1/11/2018), various non-destructive testing of Inner Containment and Outer Containment concrete needs to be conducted as pre-service inspection (PSI) before taking up ILRT/SIT test. i.e. the PSI of the containment structure through NDT tests is a prerequisite for taking up the ILRT in the month of Feb 2019.</p> <p>The work involves conducting the NDT tests on the containment structures, evaluate the results and submit the outcome in the form of report based on the technical expertise in the field of NDT on concrete. The NDT of the Inner containment is performed first time at KAPP-3&4 and the result will form base line data for the entire plant life. /hence it is of outmost importance to conduct these NDT tests through specialized agency. At various units of NPCIL, this work is being executed through CSIR - SERC, Chennai (Council of Scientific & Industrial Research- Structural Engineering Research Centre) under the ministry of science & technology of Government of India, who is pioneer in NDT of concrete.</p> <p>In view of the proposed to take up the work of conducting PSI of Inner containment and Outer containment (NDT tests of concrete) through CSIR-SERC, Chennai.</p>	PD	KAPP 3&4
	Conducting non-destructive test of Inner & Outer Containment Structures of RB 3 at KAPP 3&4	9.37					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/3-4/CIVIL/2019/MT/781 dated 1/02/2019	9.37	13-02-2019				
	Work Order Details:		End Date:				
KAPS/CTC/3-4/CIVL/CAP/2019/WO/80364		13-05-2019					

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5	Name of the Work:	Estimated Cost:	M/s Indian Engineering Company	3 months	<p>At KAPS-1&2 three nos. of Boiler feed pumps (BFP) are used at each unit(Total-6 nos). On 23.02.2019 KAPS-2 BFP-6 motor tripped on earth fault and its IR value found zero further motor was inspected through inspection window and some powder of metallic material and fiber was found near NDE end. From above symptoms it is concluded that motor winding has failed.</p> <p>As no spare motor is available and U-2 is operating hence it was decided to replace the existing U-2 BFP-6 motor with U-1 BFP-6 motor, which is under EMCCR outage.</p> <p>Already 2-BFS-5 motor had failed earlier on 22.09.2008 which was replaced with U-1 BFP -7 motor.For rewinding of the 2-BFP-5 motor on TS was initiated and work order no: KAPS/CTC/1-2/EMU/REV/2019/WO/72018 dated: 26.02.2019 has been issued to M/s India Electric works, Patiala, Punjab.</p> <p>Now two failed motors are required to be re-wounded before KAPS-1 Start up which is scheduled on 09th June-2019.</p> <p>Considering very short time available before U-1 start up rewinding of the second failed motor (2-BFP-6) is required, as rewinding and servicing of motors is a specialized job requiring special tools, testing facilities and skilled workers which KAPS-1&2 does not have. As KAPS-1 startup is planned on June-2019 and rewinding of motor is required minimum 02 to 03 months as a lot of testing, inspection and works involved in rewinding of motor. Considering the System requirement all BFP motors are required to be available before unit start up.</p> <p>Considering limitation of the time available before U-1 strt up and available options it is proposed to get this motor rewind through by M/s Indian Engineering Company (IEC), Vadodara on nomination basis.</p> <p>M/s Indian Engg. Co. is reputed re-winder and similar motor had been already rewind through M/s IEC on 2011 also considering its location (i.e. Near to KAPS site) w.r.t. time for transportation and inspection/testing follow up.</p>	SD	KAPS 1&2
	Rewinding of M/s BHEL make, 6.6 KV, 1450 KW motor	14.00					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/1-2/EMU/2019/MT/795 dated 1/03/2019	14.00	27-03-2019				
	Work Order Details:		End Date:				
			27-06-2019				
6	Name of the Work:	Estimated Cost:	M/s. Swan Turbine Services Pvt. Ltd., Office & Works: Plot No: 168, TSIIIC, Pashamailaram, Medak Dist. – 502 307 Hyderabad, Telangana, India.	39 Days	<p>The options were critically analysed with respect to technical and economical aspects. As the machining of journals in any one of the off-site manufacturing facility involves packaging and road transportation of heavy rotors, hence more time consuming and more costlier than on-Site machining. Hence it is evident that, on-site machining is the most economical option, if the required machining accuracies can be achieved. M/s.Swan Turbines Private Ltd, Hyderabad is the only party among the four (M/s. BHEL, M/S. L&T-MHPS Turbine Generators pvt. ltd, Hazira and M/s. Toshiba JSW Power systems Ltd, Chennai) who has the capability to carry out the job on site. They have the technical capability and experience in doing similar jobs, with required accuracy levels, which has been assessed independently. Capability of M/s Swan Turbines, Hyderabad is confirmed by evaluation of the similar jobs they have carried out at Kalisindh Thermal Power Project (2x600 MWe) of Rajasthan Rajya Vidyut Utpadan Nigam Ltd, Jhalawar(RVUNL) in Rajasthan. and also assessment was done by NPCIL team at M/s. Swan Turbines, Hyderabad facility, including sample machining. Considering the above factors and the urgency to bring back the unit it is proposed to take up the journal machining work at Site through M/s Swan Turbines Private Ltd, Hyderabad on nomination basis.</p>	Director(T-LWR)	KKNPS 1& 2
	On-site machining of KKNPP#1 Turbine and Generator rotor journals	310.34					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	NPCIL/KK-1&2/O&M/MMU/NOM/2018/162 & 22-12-2018	295.00	30-12-2018				
	Work Order Details:		End Date:				
			06-02-2019				