

DETAILS OF WORKS / CONSULTANCY / PURCHASE CONTRACTS AWARDED ON NOMINATION BASIS
4TH QUARTER OF 2019 - 20 (JAN 2020 - MAR 2020)

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:	Janani Enterprises	1 Month	<p>After completion of commissioning activities by M/s BHEL, GT-3 remained in de-energized condition since October 2018 awaiting for charging clearance. Now, other systems required for charging of GT-3 are ready and the matter of charging clearance was taken up with M/s BHEL. As an OEM, M/s BHEL have insisted for carrying out Hot Oil Circulation, NAS filtration and Oil testing activity again, before first charging of the transformers. M/s BHEL have requested to take up this second time oil filtration and other activities at NPCIL's end. Hence, the requirement for allocation of work order for carrying out Hot oil circulation, NAS filtration and Oil testing activity arisen.</p> <p>The initial fuel loading for KAPP-3 is scheduled to be started from 27/02/2020. For making second source of offsite power supply available to KAPP-3, charging of GT-3 is required. Looking into this urgent requirement of oil filtration, NAS filtration and Oil testing activity for GT-3, it is proposed to execute the same on nomination basis.</p>	Project Director	Unit-3&4, Kakrapar Gujarat Site
	Carry out Hot Oil circulation, NAS filtration and oil testing activities for Generator Transformer-3 at KAPP-3&4	15.19					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/3-4/ELECTRICAL/2020/MT/923	11.48	24-02-2020				
	Work Order Details:		End Date:				
KAPS/CTC/3-4/ELECTRICAL/CAP/2020/WO/80433		23-03-2020					
2	Name of the Work:	Estimated Cost:	Yash Engineers	05 Months	<p>The quantity of Dome pattern caps to be installed for EP shielding of spare holes and fill & drain plugs in floor & wall frame assemblies in Reactor buildings. Further the PPS fence pole are to be installed at outer fence as per approved drawing but after that it was reviewed & decided to be installed at inner PPS fence, this leads anchoring the pole on crane crawling road. These items are very urgent in nature & require to be completed before first fuel loading of KAPS#3. To meet this urgent requirement M/s Yash Engineer is proposed on nomination basis as they are already available at site.</p> <p>Looking into the urgent requirement of EP shielding to be complied before first fuel loading, plugging/sealing of spare holes and fill & drain plugs with dome pattern caps in floor & wall frame assemblies in Reactor buildings, Further the PPS fence pole are to be installed at outer fence as per approved drawing but after that is was reviewed & decided to be installed at inner PPS fence, this leads anchoring the pole on crane crawling road. It is proposed to get the work done thorough 'M/s Yash Engineers' on a contract on nomination basis as the work is most urgent.</p>	CCE	Unit-3&4, Kakrapar Gujarat Site
	Supply of Dome Pattern caps and work related to Street lighting for Physical Protection system fencing works at KAPP 3 & 4	18.58					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/3-4/ELECTRICAL/2020/MT/922	18.35	02-03-2020				
	Work Order Details:		End Date:				
KAPS/CTC/3-4/ELECTRICAL/CAP/2020/WO/80436		01-08-2020					

(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
3	Name of the Work:	Estimated Cost:	Indian Engineering Company	35 Days	<p>At KAPS-1&2; design has three nos. of Boiler feed pumps (BFP) in the feed water system in each unit (Total- 6 nos). On 29.02.2020, KAPS-2, BFP-6 motor tripped on earth fault and its IR value found zero. Further motor was inspected through inspection window. Burning smell was observed near NDE end and hence, it is concluded that motor winding insulation has failed.</p> <p>Presently no spare BFP motor is available at KAPS or at any other NPCIL units. As both units are operating and no standby BFP is available in KAPS-2, in case of tripping of any running BFP pump will lead to unit outage.</p> <p>Considering this Operation Emergency condition; rewinding of the failed motor needs to be done on urgent basis in shortest possible time. However KAPS will not have any standby BFP till rewinding/repair of the failed motor. Rewinding and servicing of HT motors is a specialized job requiring special tools, testing facilities and skilled workers.</p> <p>Also presently KAPS-1&2 does not have any ongoing contract for rewinding of the HT motors. Considering operation emergency and time urgency only option available is to get failed motor rewinded/repared on nomination basis without call of tender to make motor available in shortest time.</p> <p>Earlier two BFP motors were rewinded through M/s India Electric Works, Patiala, Punjab on PT basis vide WO no 72018 dated 26.02.2019 @ cost of Rs. 14,16,000/- (Including GST) and other motor was rewinded through M/s Indian Engineering Company, Vadodara vide WO no: 72023 dated 27.03.2019 on nomination basis @ cost of Rs. 14,00,070/-.</p> <p>Based on above tenders, parties known to KAPS who has executed rewinding of same motors are :</p> <ol style="list-style-type: none"> 1. M/s Indian Engineering Co, Vadodara 2. M/s India Electric Works, Patiala, Punjab. <p>As M/s India Electric Works is located in Patiala, Punjab and transportation will increase time period by another seven days or more. Considering time constraint M/s Indian Engineering Co. Vadodara is suitable option considering its location near to KAPS site. M/s Indian Engineering Co. Vadodara is renowned rewinding firm and has rewound similar BFP motor in 2019 and also executed rewinding works of various motors at KAPS.</p> <p>Considering Operational Emergency affecting plant availability and time constraint it is proposed to rewind failed BFP motor on nomination basis from M/s Indian Engineering Co, Vadodara.</p>	Station Director	Unit-1&2, Kakrapar Gujarat Site
	Rewinding of M/s BHEL make, 6.6 KV, 1450 KW motor	14.65					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	KAPS/CTC/1-2/EMU/2020/MT/947	14.71	11-03-2020				
	Work Order Details:		End Date:				
KAPS/CTC/1-2/EMU/REV/2020/WO/72092		15-04-2020					
4	Name of the Work:	Estimated Cost:	Prof V S Raju	08 months	<p>Activities for design and construction of 2 units of x700 MWe each of NPPs at GHAVP, Haryana site are in full swing. Statutory AERB consents of Siting and Excavation for GHAVP - 1&2 have already been obtained and excavation & ground improvement activities at site are in progress. The review process of AERB FPC consent is in advanced stage and work for main plant civil construction works has been awarded and the mobilization is in progress.</p> <p>The GHAVP- 1 & 2 site is located on western part of Indo-Gangetic alluvial plain consisting of alluvial soil made up of both older and newer alluvium. The stratum consists or sandy silt / silty sand etc. As safety against liquefaction, upper layers of liquefiable soil stratum are being replaced by compacted soil-cement mix. Thus this unique combination of foundation strata consisting of virgin soil overlaid by soil-cement layers requires judicious interpretation of field test data before finalizing design inputs related to soil and soil-cement for analysis and design of plant structures of NPP.</p> <p>Prof, V. S. Raju is an expert Private agency in the field of Geotechnical & Foundation Engineering. He was earlier appointed for Expert independent opinion on issues related to Geotechnical parameters for buildings for GHAVP – 1 & 2 as per AERB requirement, on the recommendation of CESC. Two visits as envisaged In this work were completed for this review work at CESC on 12th October 2018 & 7th February 2019.</p> <p>Further during the review by CESC (Meeting No - 17) on date 07.02.2019 of geotechnical input design parameter (static modulus of elasticity) by pressure meter test submitted by NPCIL, CESC recommended that the procedure for conducting Pressure meter test by Volumetric increment method be proof checked by Prof. V. S. Raju, Former Professor of Civil Engineering and Former Director, IIT Delhi. Further as desired by CESC, NPCIL will be preparing the report of geotechnical input parameters (static modulus of elasticity, Es, in particular) report for the design of each building based on geotechnical investigations to be carried out. The report of geotechnical input parameters report will be submitted to Prof. V. S. Raju for proof checking / independent assessment as recommended by CESC. In addition, it is also proposed to get the foundation designs (CPRF/Raft) of safety related buildings of GHAVP- 1&2 be peer reviewed by Prof. V. S. Raju before FPC.</p> <p>Accordingly scope of work for this work has been finalized. The estimate has been prepared on the basis of rates applicable for earlier work referred. The approval of competent authority for approaching Prof. V. S. Raju on nomination basis has been obtained vide Note GHAVP/10120/2019/M/C-76 DATED 29.03.2019.</p> <p>Considering the requirement of high level of technical expertise, urgency of finalization of design for obtaining FPC clearance and recommendation of AERB, it is proposed to utilize the services of Professor V. S. Raju for “peer review” on nomination basis.</p>	ED (Engineering)	HQ MUMBAI
	Expert peer Review for finalising the procedure of Pressure meter test, modulus of elasticity of soil, foundation parameters and design of safety related buildings and participation in AERB meetings for GHAVP1and2.	4.16					
	Tender / Quotation No. & Date :	Value of work awarded:	Starting Date:				
	NPCIL-HQ/ CTC/ CIVIL/ GHAVP-1&2/ Expert/ 2019/ 489	4.27	10-02-2020				
	Work Order Details:		End Date:				
NPCIL-HQ/CTC/CIVIL/GHAVP-1&2/Expert/2019/489/WO/200819 dated 22-01-2020		09-10-2020					