



9. PULL-OUT AND INSTALLATION OF SUBMERSIBLE PUMP AND MOTOR

Process of pull-out and installation of deep well submersible pumps and motors.

Office or Division:		Water Resources Division		
Classification:		Highly Technical		
Type of Transaction:		G2G - Government to Government		
Who may avail:		GM / Division Head – Engineering, LWUA		
CHECKLIST OF REQUIREMENTS		WHERE TO SECURE		
None				
CLIENT STEPS	AGENCY ACTIONS	FEES TO BE PAID	PROCESSING TIME	PERSON RESPONSIBLE
1. None	1. The Water Resources Division Manager will receive an equipment incident report. Then, he will prepare a report for replacement/transfer of equipment that will be submitted to the Finance and Admin Department.	None	5 minutes	Edzel L. Lintag (Division Manager B)
2. None	2. Prepare the tools, tripod, chain block, and riser pipes that are needed for the pull-out and installation of the equipment.	None	1 hour	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A) Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources



				Facilities Tender B)
3. None	3. Fill-up the safety inspection checklist.	None	3 minutes	Argie E. Galiste (Water Resources Facilities Operator A)
4. None	4. Assemble the tripod, then attach the chain block. Then, pull-out the riser pipes.	None	1 hour (for assembling the tripod) 45 minutes per riser pipe	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A) Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources Facilities Tender B)
5. None	5. If the submersible pump and/or motor is for transfer, install the submersible pump and/or motor. And, if the submersible pump or motor is already unserviceable, replace it with a pump or motor that has the same specifications.	None	30 minutes	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A) Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B)



				Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources Facilities Tender B)
6. None	6. Install the riser pipes.	None	<i>45 minutes per riser pipe</i>	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A) Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources Facilities Tender B)
7. None	7. After the installation of the pump, motor, and riser pipes, assemble the discharge line and test line for instances that it was needed to be disassembled.	None	<i>30 minutes</i>	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A) Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources Facilities Tender B)
8. None	8. The engineer will gather data and determine what operating pressure should be established.	None	<i>20 minutes</i>	Engr. Arjay D. Castillo (Engineer B)
9. None	9. Conduct flushing until the water is clean. Then, connect the source to the distribution line if the water is totally clean.	None	<i>2 hours</i>	Renato L. Rueda, Jose Nilo Alex M. Ongoco (Water Utilities Management Officer A)



10. None	10. Disassemble the tripod	None	1 hour	Crisanto D. Evangelista, Francisco D. Javier Jr., Ronald L. Niepes (Water Resources Facilities Operator Foreman) Eduardo M. San Blas (Customer Service Assistant B) Argie E. Galiste, Jayson D. Mercado (Water Resources Facilities Operator A) Robert A. Manalaotao (Water Resources Facilities Operator B) Arnold P. Acerbo (Water Resources Facilities Tender B)
11. None	11. Clean the area and properly keep the tools.	None	30 minutes	
12. None	12. Turn over the unserviceable pump/motor for the inventory.	None	5 minutes	
Total:		None	7 hours and 5 minutes + 45 minutes per riser pipe.	