



MEMORANDUM

TO: SLDMWA Board of Directions, Alternates
SLDMWA Finance & Administration Committee Members, Alternates

FROM: Pablo Arroyave, Chief Operating Officer
Jaime McNeil, Engineering Manager

DATE: September 9, 2024

RE: Recommendation to Authorize Execution of Task Orders with DHR Hydro Services for Project Management of the O'Neill Pumping Plant Transformer Rehabilitation and Jones Pumping Plant Excitation Cabinet and Control Panel Refurbishment Projects and Related Expenditure of up to \$184,940 from EO&M Budgets

BACKGROUND

The Jones Pumping Plant Excitation Cabinet and Control Panel Refurbishment (JPP Excitation) Project and the OPP Transformer Rehabilitation Projects have been ongoing priority projects for the San Luis & Delta-Mendota Water Authority (Water Authority), both at varying stages.

The Water Authority has executed a construction contract for the rehabilitation of the OPP Transformers. David Roose of DHR Hydro Services is currently managing the construction contract and providing Water Authority representation with the Reclamation project designers at the Technical Service Center (TSC). Given the recent decision to pursue multiple outages to rehabilitate the transformers, the specifications require modification and a construction change order will be required. Continued project management services will be required to bring the project to completion.

The JPP Excitation Project is in the final design phase, with 100% plans and specifications anticipated to be completed this month (September 2024) by Reclamation designers. The Water Authority intends to formerly solicit this fall, seek authority to enter into a construction contract by early 2025, and begin construction by spring of 2025. Construction is anticipated to occur one unit at a time over a period of 3-5 years. The Water Authority is in need of a project manager that can provide the necessary support to ensure the project is successfully completed on time and on budget.

ISSUE FOR DECISION

Whether to recommend authorizing execution of task orders with DHR Hydro for Project Management of the O'Neill Pumping Plant Transformer Rehabilitation and the JPP Excitation

Cabinet and Control Panel Refurbishment projects and related expenditure of up to \$184,940 from the FY24 EO&M budget.

RECOMMENDATION

Staff recommends authorizing execution of the proposed task orders and related expenditure of up to \$184,940.

ANALYSIS

Per section 3.2(b) of the San Luis & Delta-Mendota Water Authority Consolidated Procurement Policy (adopted May 14, 2020), “the Authority may award a contract for professional services based on demonstrated competence and the professional qualifications necessary for the satisfactory performance of the services required.” Because the budget for this Professional Services Agreement, when added to existing task orders with DHR Hydro Services, will exceed the \$200,000 delegation of authority in the Consolidated Procurement Policy, Board action is required. (See section 1.1.)

David Roose, owner of DHR Hydro Services, has a highly respected history working with the Water Authority and Reclamation and was instrumental in the success of the JPP Unit Rewind projects. Given Mr. Roose’s successful history in providing high quality professional management services to the Water Authority, it is staff’s opinion that he and DHR Hydro Services have adequately demonstrated the necessary competence and professional qualifications to provide the project management and design review assistance needed to manage the OPP Transformer Rehabilitation and JPP Excitation projects.

DHR Hydro Services has proposed to provide Project Management Services for the JPP Excitation and the OPP Transformer Rehabilitation projects from September 12, 2024 until February 28, 2025, with respective not to exceed budgets of \$87,000 (JPP Excitation) and \$97,940 (OPP Transformers).

BUDGET IMPLICATIONS

The proposed expenditures of up to \$184,940 would be funded entirely by budgeted FY24 EO&M funds specific to the appropriate project.

ATTACHMENTS

Draft Task Orders

TASK ORDER 2

O'NEILL PUMPING GENERATING PLANT TRANSFORMER REHABILITATION PROJECT MANAGEMENT

Detailed Scope of Work

Consultant will perform project management services for the SLDMWA throughout the duration of this agreement. The tasks performed will be project management services for the O'Neill Power Transformers Rehabilitation Project, Contract Spec. No F23-OPP-015. Services will include review of transformer specifications, submittals, and schedule; Coordinate with the Contractor (Cal Electro Inc.), Reclamation Technical Services Center (TSC), and SLDMWA to secure O'Neill Pumping-Generating Plant outage. Oversee and manage the Contractor performing rehabilitation of the four O'Neill Pumping-Generating Plant power transformers. Provide on-site inspections throughout construction phase. Services provided during the rehabilitation of the four power transformers to include, but not be limited to, the following:

- Provide Transformer Engineering expertise / oversight, review Design Drawings and Specifications for the rehabilitation of the four transformers at O'Neill Pumping-Generating Plant.
- Assist in contract administration during and through close-out of the O'Neill Pumping-Generating Plant Power Transformer Rehabilitation Project.
- Negotiate costs associated with potential change orders.
- Review, update, and secure contractor power transformer rehabilitation schedules.
- Review and provide comments to contractor submittals.
- Project Management, Project Engineer, on-site inspection, and testing expert.
- Attend weekly project conference calls with Contractor
- Provide weekly reports documenting all rehabilitation activities
- Provide monthly reports summarizing each month's progress for SLDMWA management updates,
- Perform manufacturing inspections to ensure highest quality products.
- Ensure Contractor meets all specification requirements.
- Provide Engineering Services as directed by SLDMWA.

Inspections/Work Hours

Consultant will oversee Contractor's scope of work and will perform weekly review of submittals, review all design drawings, provide guidance to Contractor to maintain schedule, coordinate between Contractor and SLDMWA to secure O'Neill Pumping Generating Plant outage, witness all pretesting of transformers, inspect all materials upon delivery, inspect installation of all materials including retrofilling all transformers with synthetic ester fluid, witness final commissioning testing, and document factory inspections and all on-site construction rehabilitation activities of the four power transformers. During construction phase, on-site inspections will be billed at approximately 10 hours per day, 6 days a week; 7 days a week and 12 hours per day may be determined necessary to meet schedule end dates.

Deliverables

1. Project management weekly and monthly reports documenting all activities including schedule progress/status and factory and on-site rehabilitation inspections.
2. Reports documenting weekly project conference calls with Contractor, SLDMWA, and TSC.
3. Document Submittal review and comments.
4. Securing updates to manufacturing and on-site outage schedules.
5. Document resolution of all specification conflicts, coordinate with SLDMWA and TSC accordingly.
6. Review, negotiating, and coordinate potential change orders.
7. Maintain project schedule.

See TASK ORDER 2 COST SUMMARY

Budget Maximum: \$97,940.00

Task 2 Performance Period: September 12, 2024 – February 28, 2025

SLDMWA Project Lead: Jaime McNeil ; jaime.mcneil@sldmwa.org

Consultant Project Lead: David Roose ; droose@dhrrhydro.com

Special Instructions: Payments on this task order will made on a Time & Materials basis up to the Budget Maximum noted above.

Accepted:

<u>San Luis & Delta-Mendota Water Authority</u>	<u>Consultant</u>
By: _____ Pablo R. Arroyave Chief Operating Officer San Luis & Delta-Mendota Water Authority	By: _____ David Roose DHR Hydro, Inc.
Date: _____	Date: _____

TASK ORDER 2 COST SUMMARY

Month of:	Rate / Hour	Total Hours	Cost
September	\$290	47	\$13,729.00
October	\$290	130	\$37,811.00
November	\$290	40	\$11,600.00
December	\$290	40	\$11,600.00
January	\$290	40	\$11,600.00
February	\$290	40	\$11,600.00
GRAND TOTAL			\$97,940.00

TASK ORDER 3

JONES PUMPING PLANT EXCITATION AND CONTROL PANEL REPLACEMENT PROJECT MANAGEMENT

Detailed Scope of Work

The tasks performed will include project and construction management services for the Jones Pumping Plant (JPP) Excitation and control panel replacement which includes review of excitation, control panel, protective relays, SCADA and communication specifications, submittals and schedule. Coordinate with the contractor, Reclamation Technical Service Center (TSC) and SLDMWA to oversee and manage the contractor performing the work. Provide on-site inspections throughout the construction phase, witness factory acceptance tests (FAT) along with but, but not limited to, the following:

- Assist in contract administration during and through close-out of the JPP excitation and control panel replacement project.
- Provide engineering expertise/oversight, review design drawings and specifications for the project.
- Assist in contractor selection process.
- Negotiate costs associated with potential change orders.
- Provide engineering expertise with the excitation system control and protective systems.
- Review and provide comments to contractor submittals.
- Provide engineering services as directed by SLDMWA.
- Ensure contractor meets all specification requirements.
- Perform manufacturing inspections to ensure highest quality products.
- Provide weekly reports summarizing each week's progress for SLDMWA management updates.
- Attend weekly project conference call with contractor.

Inspections/Work Hours

Consultant will oversee Contractor's scope of work and will perform weekly review of submittals, review all design drawings, provide guidance to Contractor to maintain schedule, coordinate between Contractor and SLDMWA to secure Jones Pumping Plant Outages, witness all pretesting and commissioning of equipment, inspect all materials upon delivery, inspect installation of all materials including power potential transformers, associated switching components, excitation cabinets, unit control boards, etc. During construction phase, on-site inspections will be billed at approximately 10 hours per day, 6 days a week; 7 days a week and 12 hours per day may be determined necessary to meet schedule end dates.

Deliverables

1. Project management weekly and monthly reports documenting all activities including schedule progress/status and factory and on-site rehabilitation inspections.
2. Reports documenting weekly project conference calls with Contractor, SLDMWA, and TSC.
3. Document Submittal review and comments.

4. Securing updates to manufacturing and on-site outage schedules.
5. Document resolution of all specification conflicts, coordinate with SLDMWA and TSC accordingly.
6. Review, negotiating, and coordinate potential change orders.
7. Maintain project schedule.
8. Assist with construction solicitation and contractor selection.
9. Assist with quarterly reports for BIL grant management.
10. Assist with forecasting and justification of advanced funds.

See TASK ORDER 3 COST SUMMARY

Budget Maximum: \$87,000.00

Task 3 Performance Period: October 1, 2024 – February 28, 2025

SLDMWA Project Lead: Jim Lenhardt ; jim.lenhardt@sldmwa.org

Consultant Project Lead: David Roose ; droose@dhrhydro.com

Special Instructions: Payments on this task order will made on a Time & Materials basis up to the Budget Maximum noted above.

Accepted:

<u>San Luis & Delta-Mendota Water Authority</u>	<u>Consultant</u>
By: _____ Pablo R. Arroyave Chief Operating Officer San Luis & Delta-Mendota Water Authority	By: _____ David Roose DHR Hydro, Inc.
Date: _____	Date: _____

TASK ORDER 3 COST SUMMARY

Month of:	Rate / Hour	Total Hours	Cost
October	\$290	60	\$17,400.00
November	\$290	60	\$17,400.00
December	\$290	60	\$17,400.00
January	\$290	60	\$17,400.00
February	\$290	60	\$17,400.00
GRAND TOTAL			\$87,000.00