**PRZ-PRJ-TP-TCP-20598**

**Rev. : 00**

**May 10, 2023**

**MOV/Jib Crane Repair Work**



1. **Introduction**

SK Ecoplant, represented by the Procurement Division, intends to do flaking repair works for 3 JIB Cranes and 2 Motor Operated Plug Valves at M Project, Fujairah, United Arab Emirates.

Our technical team evaluated furnished documents and provided the below offer.

1. **Scope of Work**

The project entails re-blasting and re-painting of three JIB Cranes (one in the west area and two in the east area) as well as flaking repair for two Motor Operated Plug Valves in the west area. We propose to use LC1-N paint system or any other paint system as per the client's requirements for the repair works.

**Inclusions**:

* Supply of qualified manpower,
* Normal PPE Equipment (Coveralls, Safety Shoes, Safety Helmet, etc.),
* Hand & Power Tools and any other tools required to perform job,
* Airless spray and blasting machines,
* Supervision Team,
* General Housekeeping shall be done after work completion,
* Daily reports and detailed reports after completion of job,
* Cost of all gate passes and medical tests required for site entry, and
* Painting Materials Supplying.

**Exclusions**:

* Inspection and Test Plan (ITP),
* Risk analysis and method of statement of the job,
* Food, Accommodation, and Transportation from site to camp and vice versa,
* Special safety Equipment such as (H2S monitors, etc.),
* Submit the Site WPS,
* AQT & PQT,
* Scaffolding / Rigging, all rigging tools,
* Shields and/or screens to protect the surrounding,
* Any special tools and/or equipment other than the required to finalize the above-mentioned scope of work,
* Loading and/or unloading of materials from warehouse to site and vice versa,
* Electricity- 3 Phase /other Yard Facilities (Air, water, etc.…),
* Resting place for our Crew, and
* Any works other than mentioned.

1. **Duration**

Duration required for this project is 30 Working days, after CICPA passes, gate passes, permit to work and painters’ qualification on site (if required by SK or ADNOC) approval by SK and/or Authority.

1. **Technical Approach**

Our proposed approach for this project is to carry out blasting and painting for each item in a series of four phases. We will now present a detailed description of the approach that we will use for each phase.

1. **Work Execution**
   1. **Blasting and removal of old paint system (Phase I)**

* To ensure that the blasting process does not affect any unnecessary parts, all surroundings will be covered.
* A thorough blast cleaning process (SA 2.5 as per ISO8501) will be used to achieve a surface profile of 35-65 microns, according to LC1-N paint systems for **JIB Cranes**.
* Power tools will be used to apply blasting, according to LC1-M paint systems for **Motor Operated Plug Valves**.
  1. **Application of Primer (Phase II)**
* **For JIB Cranes,**

the first coat (Primer) will be applied using airless spray (Inorganic zinc silicate/zinc rich primer as per Shell D.E.P 30.48.00.31-Gen.) according to LC1-N paint system or as per client requirements.

* **For Motor Operated Plug Valves,**

the first coat (Primer) will be applied using airless spray (Zinc rich primer/self-priming epoxy as per Shell D.E.P 30.48.00.31-Gen.) according to LC1-M paint system or as per client requirements.

* 1. **Application of Topcoat (Phase II)**
* **For JIB Cranes,**

two coats of Topcoat (polyurethane topcoat as per Shell D.E.P 30.48.00.31-Gen. or as per client requirements) will be applied.

* **For Motor Operated Plug Valves,**

one coat of epoxy mid-coat (as per Shell D.E.P 30.48.00.31-Gen. LC1-M or as per client requirements) and one coat of polyurethane topcoat (as per Shell D.E.P 30.48.00.31-Gen. LC1-M or as per client requirements) will be applied.

* 1. **Inspection and Quality Handover (Phase IV)**
* The PE team will raise an RFI to the SK team to hand over the work, following inspection and quality assurance measures.

1. **Work Force Deployment**

As per MSRA.

1. **Price**

Cost of above-mentioned works is as per attached priced Table of Quantities.

1. **Payment Terms**

TBD

1. **Force Majeure**

Our offer is governed by the Standard force majeure clause prevailing in UAE.

We hope we are in line with your requirements.

1. **Validity of offer**

Our offer is kept valid for a period of 30 Days from the date for submission.

1. **Attachments**
2. **Addendum I**: Priced Table of Quantities.
3. Plug Valve GA Drawing.
4. Gantry & JIB Crane Detail Drawing.
5. Paint Structure.
6. MOV Paint Procedure.

**Addendum I**

**Priced Table of Quantities**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr.** | **Work description** | **Unit** | **QTY** | **Unit Price** | **Amount** | |
| 1 | Mobilization & Demobilization (if required) | LS | 1 | 5000 | $ 5000 | |
| 2 | Blasting and painting for JIB Crane | EA | 3 | 9000 | $ 27000 | |
| 3 | Blasting and painting for Motor Operated Plug Valve | EA | 2 | 470 | $ 940 | |
| **Total Amount** | | | | | | **$ 32940** |

**PRICING BASIS**

* Our pricing assumption that all surface preparation and painting will be done in a continuous, sequential, and uninterrupted manner. Idle Rates will be applied, whenever delays not caused by Prizm Energy.
* Idle Rates Table….

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Qty** | **Rate Type** | **Unit Rate** |
| Site Manager | 1 | Hourly | $ 45 |
| Engineer | 1 | Hourly | $ 35 |
| Technical Supervisor | 1 | Hourly | $ 28 |
| Document Controller | 1 | Hourly | $ 10 |
| Store keeper | 1 | Hourly | $ 15 |
| Painter | 1 | Hourly | $ 6.5 |
| Blaster | 1 | Hourly | $ 6.5 |
| Helper | 1 | Hourly | $ 4.5 |
| Welder | 1 | Hourly | $ 19 |
| Driver | 1 | Hourly | $ 5 |

* Partial demobilization and remobilization rates will be applied.
* The above-mentioned rates are exclusive of 5% VAT.