The scope of work for replacing fertilizer roof shed sheet height 10 meter roof sheet typically includes assessing the existing roof, removing damaged sheets, preparing the surface, and installing new roofing sheets. It involves measuring, cutting, and securing the sheets in place, ensuring proper sealing and weatherproofing. Additionally, addressing any underlying issues, such as rot or structural damage, structure chipping and painting with epoxy marine paint materials may be part of the project. It's essential to follow safety guidelines and local building codes during the process.

**Sow fertilizer shed roof sheet replacement works including manpower and equipments. Herewith attached structure drawing for reference.**

|  |  |  |
| --- | --- | --- |
| **Part description** | **Quantity** | **UOM** |
| supply of 0.5 mm PPGI sheet JSW/Tata make colour coated roof sheets at fertilizer warehouse as per scope of works and drawing submit. | 8000 | M2 |
| Removing of old corrugated sheet and laid down to ground floor at one place decided near wmc.as per sow | 8000 | M2 |
| Installation of 0.5 mm roof sheet JSW/TATA make including cutting, laps, providing cut-outs for fixing accessories, necessary fasteners (approved quality of rivets, nuts, bolts, as per sow | 8000 | M2 |
| Supply of 0.5 mm JSW/Tata make center ridge &corner flasher. Material : width : 300 mm x 300 mm yst : 340 mpa for fertilizer shed area as per sow | 600 | M |
| Removal and installation of 0.5 mm JSW/Tata make center ridge &corner flasher. Material : JSW/Tata width : 300 mm x 300 mm yst : 340 mpa for fertiliser shed area as per sow | 600 | M |
| Supply of 2 mm polycarbonate matching profile sheet for natural skylight polycarbonate make : tufflite / durotuff | 600 | M2 |
| Removal and installation of 2 mm polycarbonate matching profile sheet for natural skylight polycarbonate make : tufflite / durotuff | 600 | M2 |

**Roof shed structure height 10m appro. Cherry picker equipment, hydra, Scaffolding, safety lifeline arrangements under vendor scope**

**Technical specification of roof item :**

JSW/Tata colorbond xrw steel, high tensile steel with minimum 550 mpa yield strength, metallic hot dipped coated with al- zn alloy (55% aluminium,43.5% zinc, 1.5% si ) as per as1397/ is15961® standard with super durable polyester ® colorbond xrw steel\* quality paint system of approved colour, suitable for exterior application conforming to as/nzs 2728 type-4 / is15965 class 3 of tata bluescope steel make. The sheets have a total coating thickness of 35 microns, super durable ® polyester colorbond xrw quality paint system of 20 microns on exposed surface and 5 micron reverse polyester coat on back surface and over 5 micron primer coat on both surfaces. The paint system is made of stable resin & inorganic pigments for paint durability and is lead free, making it suitable for rainwater harvesting. The steel sheets have a brand marking of the coated steel manufacture on the back side.

**Vendor selection criteria for roof shed sheet replacement, consider including the following:**

**Experience and Expertise vendor for roof sheet works:**

Previous experience in roof shed maintenance.

Demonstrated expertise in handling similar projects.

**Qualifications and Certifications:**

Relevant certifications in roofing or related fields.

Compliance with industry standards and regulations.

**References:**

Positive references from previous clients with similar maintenance needs.

**Insurance and Liability:**

Adequate insurance coverage for potential damages or accidents.

Clear understanding of liability responsibilities.

**Timeline:**

Realistic and feasible timeline for completing the maintenance work.

**Materials and Equipment:**

Access to high-quality materials.

Proper tools and equipment for effective maintenance.

**Health and Safety Compliance:**

Adherence to safety regulations and protocols.

Past safety records on similar projects.

**Environmental Considerations:**

Commitment to environmentally friendly practices.

Proper disposal of materials and waste.

1. **Initial assessment:**

Evaluate the current roof condition.

Identify the type and extent of sheet replacement required.

Check for any structural issues that may impact the replacement.

1. **Materials and tools:**

Procure appropriate roofing sheets matching the shed's specifications. Make : tata/jidal make roof sheet materials.

Ensure the availability of necessary tools for cutting, fastening, and sealing.

1. **Safety measures:**

Implement safety measures to comply with regulations.

Provide safety equipment for workers, including harnesses and helmets.

Install guardrails or other fall protection systems.

1. **Installation process:**

Remove damaged sheets carefully, avoiding further structural harm.

Address any underlying issues such as rot or structural damage.

Install new sheets securely, ensuring proper alignment and weatherproofing.

1. **Quality assurance:**

Conduct inspections to guarantee the quality of work. Roof sheet replacement guaranty period 10 years and necessary water leak test carried out after sheet replacement works.

Check for leaks or other issues after installation.

In the Work Order, clearly specify the roof sheet replacement guarantee period as 10 years. Additionally, outline the terms for the bank security deposit, ensuring it aligns with mutually agreed-upon conditions. It's crucial to include these details in a concise and explicit manner to avoid any misunderstandings.

1. **Area housekeeping:**

Dispose of old roof sheet materials responsibly under vendor scope and materials shifting at WMC.

Leave the site clean and organized.

1. **Documentation:**

Maintain records of materials used, work performed, and any inspections conducted.

By including safety measures, vendor qualifications, and a thorough installation process.