

**SOW & BOQ - Metal fabrication works at auction material storage area and work bench area -****July.2018**

Sl.No.	Description of work	QTY	Unit
	<b><u>Work bench area</u></b>		
1	<p>Fabrication of metal supports or enclosures to store PVC pipes in the work desk area. The supports may be welded from the ceiling pipes of the existing roof supports using 35mm x 35mm x 6mm MS angle and MS flats.</p> <p>The enclosure may be covered with welded wire mesh made of 8 SWG GI wire and shall be provided with two or three metal swing doors at the side and at the front with locking facility. The size of the enclosure L 25 feet X W 6 feet x H 3 feet.</p>	1	Job
2	<p>Fabrication of metal enclosures to secure un used PVC pipes and hoses at the far end along the compound wall near old well area. The existing stones in this area shall be arranged in a layer and gaps to be filled with concrete material to form a floor area to take supports for this enclosure.</p> <p>All the metal fabrication shall be welded out of 35mm x 35mm x 6mm MS angle and MS flats. The enclosure shall be provided with a middle rack at 3 feet height from the ground to have two sections. The enclosure may be covered with welded wire mesh made of 8 SWG GI wire and shall be provided with two or three metal swing doors at the top and at the front with locking facility. The size of the enclosure L 22 feet X W 4 feet x H 5 feet.</p>	1	Job
3	<p>Additional metal supports for the existing metal racks from the ceiling pipes and the shelves shall be provided with metal swing doors fabricated out of metal framed 8 SWG wire mesh and shall have locking facility.</p> <p>Metal Doors for the shelves 2 1/4 feet x 3 feet - 4, Metal Doors for the shelves 2 1/4 feet x 4 feet - 4</p>	8	Each

4	<p>As part of item # 3 all the sides and the back of the shelves shall be closed with 1.5mm thickness metal sheets duly welded to the frames.</p> <p>Back cover 9 feet x 7 feet -1,  Side covers 2 feet x 7 feet -3,  Back cover 8 feet x 7 feet -1,  Side covers 7 feet x 1 1/2 feet-3,</p>	193	SFT
5	<p>The openings of the auction material storage space shall be provided with 8 SWG wire mesh coverings duly welded on suitable size metal frames on to the existing pipes. Sizes &amp; quantity -</p> <p>work bench area - 25 feet x 8 feet &amp; 14 feet x 8 feet,  auction material storage area 17 feet x 8 feet, 8 feet x 8 feet, 12 feet x 8 feet &amp; 7 feet x 8 feet  auction material storage main area 80 feet x 10 feet  scissors lift parking area 37 feet x 8 feet, 9 feet x 8 feet &amp; 37 feet x 5 feet</p>	2017	SFT
6	<p>Fabricated metal doors (all doors are 7 feet height) using 12mm square rods and 35mm x 6mm metal frame work are to be fixed at 7 locations as part of item 5 with locking facility. Sizes &amp; quantity -</p> <p>Door for auction material storage area 5 feet x 7 feet with one number 3" dia pipe support to weld the gate frame Qty -1  doors for work bench area Qty 2 and Scissor lift parking area 4 feet x 7 feet single door Qty - 2  Metal doors for main auction area 4 feet (2 feet foldable doors) x 7 feet (2 Nos) with additional vertical support and 4 feet x 6 feet Qty 1</p>	10	Each
7	<p>The openings near the Day/Night water storage tank shall be provided with a metetal enclosure as detailed in item x with a metal grill door to have a controlled access. The metal supports shall be provided with 8 SWG wire mesh coverings duly welded on suitable size metal frames on to the newly constructed frame work. Sizes &amp; quantity - 8 feet x 7 feet, 4 feet x 7 feet.</p>	84	SFT
8	<p>Extending the existing roof sheets above the work bench area to get rid off the rain water splashing over the work area as needed. The fabrication has to be done as similar as the existing roof structure with all pipe supports and aluminum roof sheets. 25 feet x 6 feet</p>	1	Each

9	Extending the existing roof sheet in scissors lift parking area as needed. The fabrication has to be done as similar as the existing roof structure with all pipe supports and aluminum roof sheets. scissors lift parking area 9 feet x 5 feet with an additional 3" vertical pipe support and other civil works.	1	Each
10	Extending the existing roof sheet in 2 wheeler double row parking area as needed. The fabrication has to be done as similar as the existing roof structure with cantilever type pipe supports and aluminum roof sheets. The extension may be upto 5 feet from the existing setup to accomodate 2 more rows of parking slots on each side.	1	Each
11	Repair the existing rain water gutter in the scissors lift parking area to avoid rain water getting spilled out and flooded. The water leaking gutter may be replaced with GI metal sheets and adequate slope and joints are sealed as needed with proper supports.	40	RFT
12	Replace the damaged roof sheet for the ground water collection pits with necessary cantilever type metal supports onto the wall and provide 0.5mm thickness color coated galvanized metal sheets which are firmly fastened to the pipe supports with side drop sheets as similar as the existing roof sheet. area 14 feet x 5 1/2 feet.	2	Job
13	Replace the rusted damaged roof shed for water treatment plant next to the chiller with 4 numbers of 3" Class C ERW pipe vertical supports along with purlins fabricated out of 1 1/2" class B ERW pipes duly painted with a coat of metal primer and two coats of aluminum paint and provide 0.5mm thickness color coated galvanized metal sheets which are firmly fastened to the pipe supports with side drop sheets if necessary - area 26 feet x 10 feet. Also a rain water gutter made outof 1.5mm thikcness GI sheet to be fixed for this structure with proper supports and a 3" dia PVC water drain pipe at one end.	1	Job
14	Repair the damaged portion of aluminum roof sheet of emergency shower station which are bent and twisted.	1	Job
15	Repair works on the compound wall spikes which are bent and damaged to make them straight and strong. Total 8 numbers of spikes are to be repaired with all materials and welding works.	1	Job

16	2mm thickness perforated SS cover for openings on the wall areas of new well. Size 16" x 12"	6	Each
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