

List of Details (LOD)

No	Item Detailed Description	Picture
1	Supply and install BRC Fencing Gate for the farms: Supply and install 1 metal Gate for fence 3 meters wide, two doors. 1.5 meters height (with 10 cm space between the bottom of fence frame and ground) with 3 locks (2 locks in the middle of the gate, one on the inside and 1 outside for closing the gate. 1 inside of the gate on the bottom connecting to the ground). The gate must be painted with one layer of anti-rust paint. Gate post: Square tube, dim. 100x100x3-3.3mm, 2m height (1.6m above the ground & 0.4m under the ground) with close iron cover on top. External post cylindrical concrete base support dimensions 40*50cm Door: Internal square tube frame, dim. 40x40x1.5-1.8mm, covered with mesh plate, thickness = 2.5-2.8mm and 3-3.2-inch diameter, fixed by welding with 6 hinges and all the other necessary accessories. Locks: Lock 1&2 connecting the 2 doors. One on the inside, and one on the outside of the gate. Thickness 3-3.2mm and 12mm iron diameter, length 15cm (fixed by welding). Lock 3 at the bottom of the gate, with thickness 3-3.2mm and 12mm iron diameter, length 45cm (fixed by welding). Support post: One angular support post for each side of the gate. (see below comments on dimensions) See attached gate drawing detail no#1	See attached gate drawing detail no#1
2	Galvanized, non-rust, single vertical posts with closed lid, 2-meter length, 2-2.3inch diameter, 1.5-1.8mm metal thickness, 1.6m above the ground & 0.4m under the ground. Three tie wire holes through the post in the Top (1.5 meters high), Middle (0.8 meters high), and Bottom (5 cm high) from the surface level of the ground. Tie wire should be connected by virtual lapping for every single post. See attached post drawing detail no#2	See attached post drawing detail no#2
3	Galvanized, non-rust Angular support unit with closed lid, each unit contains (1 vertical post + 2 angular support posts + accessories). 2-meter length, 2-2.2inch diameter, 1.5-1.8mm metal thickness for the vertical post & 2-2.2inch diameter, 1.5-1.8mm thickness, for the angular support posts (0.4 m under the ground). Fixing must be done by welding or by screws. See attached drawings no#3	See attached drawings no#3
4	Supply and install chain-link Mesh fencing, 1.6 meters high, 2.4- 2.6 inch diameter (from side to side), thickness 2.2 - 2.5mm. Must be no spacing between the bottom of the mesh and the ground. See attached drawings no#4	See attached drawings no#4
5	Supply and install 2.2-2.5mm thick Tie wire, which must be fixed by tie wire to each post. See attached drawing no#2 & 4	See attached drawing no#2 & 4
6	Galvanized steel tie wire 1.4-1.7mm thickness (to connect all the items every 30 cm). See drawing no #4	See drawing no #4
7	Supply, prepare, dig and install Concrete Mix Components for 2,580 concrete bases for posts and poles for the farms' fences: The required Dimensions of the concrete base hole are 30*40 cm cylindrical to install concrete support hole for the posts/poles and corners of the gate posts. Using a concrete mix ratio of 1:2:4 (concrete type C25), the curing period is for 48 hours. Concrete must be mixed by a mixer, not by hand. See attached drawings no#5 for single vertical and angular posts holes, see drawing no#1 for gate post holes.	See attached drawings no#5 for single vertical and angular posts holes, see drawing no#1 for gate post holes.
8	Provide the required labor and tools for installation: Recruit the needed Labor, use equipment, and tools for farms' fencing installations for 20 individual 1-dunum plots of land of 100*25 ranging between 100*25 meters to 50*50 meters (Payment will be proportionate with the number of plots completed based on BOQs)	