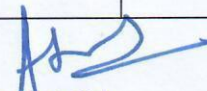
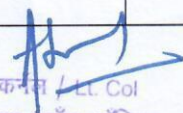


**ESSENTIAL DETAILS FOR CONSTRUCTION OF VOLLEYBALL COURT WITH
SYNTHETIC SURFACE AND ALLIED ACCESSORIES I.E LIGHTING, CHAIN LINKED
FENCING AND EQUIPMENT**


<u>Ser No</u>	<u>Description</u>	<u>A/U</u>	<u>Qty</u>
1.	<p><u>Outdoor Volleyball Court.</u></p> <p>(a) <u>Asphalt Bitumen Base.</u> Excavation up to 15.24cm (6 inches) to 17.78cm (7 inches), watering, compacting, dressing and good earth filling, determining so as to keep the finished level 6" above the ground level.</p> <p>(b) <u>Chemical Treatment.</u> Application of Pre-construction anti-termite treatment containing chlorpyriphos, systematic insecticide diluted to manufacturer's specification and soil stabilization.</p> <p>(c) Providing and laying 6 inches thick base with Metal No 4 or hand broken at site. The same will be compacted watered, all the voids filled with kapchi, quarry soil & Mohrumm. Compacting of sub base by 8-10 ton roller.</p> <p>(d) Cleaning of surface, applying tack coat (0.5 Kg per Square Meter).</p> <p>(e) Laying of 40mm thick bituminous macadam compacted to thickness of 40mm with bitumen grade of 60/70 grade with graded sieved aggregate finer to 20mm and laid manually.</p> <p>(f) Laying of 20mm thick asphalt concrete compressed to 10mm laid manually with bitumen grade of 60/70 with graded sieved aggregate with maximum size 8/10mm and allowed to cure for 27/30 days maximum.</p> <p>(g) Spreading manually grit powder mixed with PPT and cement on the finished asphalt surface to close the porosity of fresh asphalt and allowing the surface to be dried for minimum of 30 days prior to laying of the Synthetic surfacing.</p>	Sqft	6779
2.	<p><u>Allied Civil Works.</u></p> <p>(a) <u>Open Saucer Drain.</u> Construction of open storm water Drain on (30 Mtr) both or single side depending on the site conditions for effective drainage of rain water having depth of 6" and width of 8" with MS grating on top.</p> <p>(b) <u>Toe Wall.</u> Toe wall on all the four sides as retaining wall for the asphalted surface, up to a depth of 8" to 12" width 4" and plastering of the exposed wall section.</p>	Rnft	98
		Rnft	335
3.	<p><u>Fencing.</u></p> <p>(a) Fabricate perimeter fence with 8' height above ground level with TWO sliding gate (3' wide and 8' high).</p>	Sqft	2680


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<u>Ser No</u>	<u>Description</u>	<u>A/U</u>	<u>Qty</u>
	<p>(b) MS square Pipe 37mm x 37mm x 3mm and 8' height above ground level with cement concrete foundation.</p> <p>(c) Tie of MS Square Pipe 37mm x 37mm x 3mm at Top for support.</p> <p>(d) Chain link to be of 12 gauge thick GI wire spaced 3" apart.</p> <p>(e) Grouting, Priming and Painting of the fence.</p> <p>(f) two sliding gate 3' wide and 8' in height.</p> <p>(g) Providing and fixing flat 1/2" for fixing the fence.</p> <p>(h) Cement concrete 1:2:4 {1(cement):2(Coarse Sand):4(Stone Graded)}</p> <p>(j) Providing and laying primer and paint with two weatherproof coat.</p>		
4.	<p><u>All Weather Acrylic Synthetic Surface (Eight Layers System).</u></p> <p>(a) <u>Re-surface.</u> Providing and laying two coats of Acrylic Re-surfacer blended with approved silica sand for levelling and refining uneven or rough pavements creating a smooth and uniform base for subsequent surface.</p> <p>(b) <u>Cushion.</u> Providing and laying four coats of cushion layer to provide additional shock absorption to enhance player comfort.</p> <p>(c) <u>Texture (Colour).</u> Providing and laying one coat of texture that provides a uniform surface texture and determines the consistent ball bounce and speed.</p> <p>(d) <u>Finish (Top) Course.</u> Providing and laying one coat of finish course that will create a vibrant, durable finish highly resistant to weather and ultraviolet degradation. Finish (colour) course.</p> <p>(e) <u>Lines.</u> Providing and laying two coats of heavy bodied acrylic latex, white striping paint, comes both textured and un textured, and covers in one application including marking for basketball court.</p>	Sqft	2841
5.	<p><u>Installation of Light Poles.</u></p> <p>(a) 4 Nos of poles of height 22' will be erected with 2 Nos of LED HD-HPL-200 W-B fitted on each pole.</p> <p>(b) Total lights 08 Nos.</p> <p>(c) Two poles to be fixed on one side of court and other two fixed on other side of court.</p>	Poles	04


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<u>Ser No</u>	<u>Description</u>	<u>A/U</u>	<u>Qty</u>
	<p>(d) The poles will be grouted with cement concrete upto 3' inside the ground and 19' shall be the final height after installation with lights.</p> <p>(e) Applying one coat of epoxy primer and one coat of epoxy paint.</p> <p>(f) Wiring, cabling, MCB for each poles & switches complete in all respect.</p>		
6.	<u>P/F Net and Poles.</u>		
	(a) <u>Volleyball Post (01 Pair).</u> Heavy duty 50mm with built in height adjustment & net wire tightening mechanism with the help of small key provided with the post all system as per international standard.	Pair	01
	(b) <u>Net (01 Nos).</u> Nylon Thick colour 4 sides tape 14cm on Top & 10 cm at Bottom & both side Nylon Rope size 10 x 1 Mtr. As per ruling (with carry bag).	Nos	01
	(c) <u>Antenna (01 Pair).</u> Volleyball Antenna made of Fiber with Red and white marking and synthetic tape for tightening in Net length 1.8mtr x 10mm thickness.	Pair	01
7.	<u>Water Removing Roller.</u>	Piece	02
	(a) Light weight, seamed polyurethane foam roller with minimum 36' width.		
	(b) Aluminum body.		
8.	<u>Umpire Chair.</u>	Piece	01
	(a) Umpire chair made of MS Round 25 mm Pipe structure stairs and provision of umpire for standing/ sitting height.		
9.	<u>Court</u>) AS per the standard play area 18 Mtr X 9 Mtr with 3 Mtr Service area on both side. Total Area 30 Mtr X 21 Mtr with 5 Mtr Artificial turf grass outside (3938 Sqft). Diagram of court is att as appendix.	-	-
10.	<u>Warranty.</u> Warranty for period of 3 years for defect such as colour fade or removal of the synthetic layers in the court or other damage occurred in synthetic layers.	-	-
11	<u>AMC.</u> One year AMC after warranty period @ 10% of cost.	-	-


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