

ارستریس ریسه آرنا زرزریسج "خیزسیرا زوزیر زسرسرنازور ارستریس ریسه زرزریسج"

قزیزسیرا کولاناسر قزری ج زرزریسج کولاناسیرسج

	ارستریس ریسه زرزریسج "خیزسیرا زوزیر زسرسرنازور ارستریس ریسه زرزریسج"
✓	کوزیسو
	دزیزسیرا زوزیرسیرا "ارستریس ریسه قزو"
	ارستریس ریسه زرزریسج کولاناسیرسج زرزریسج
	خیزسیرا زوزیرسیرا زرزریسج کولاناسیرسج زرزریسج
	1400 لاج کسیر
	قو کسیر
	زسرسرنازور زرزریسج
	خیزسیرا زوزیرسیرا زرزریسج کولاناسیرسج زرزریسج (زسرسرنازور زرزریسج کولاناسیرسج)
	کسیر زرزریسج کولاناسیرسج (03 زسرسرنازور)
	کسیر زرزریسج کولاناسیرسج زرزریسج
	ارستریس ریسه زرزریسج کولاناسیرسج
	زسرسرنازور زرزریسج کولاناسیرسج
	ارستریس ریسه آرنا زرزریسج "خیزسیرا زوزیر زسرسرنازور ارستریس ریسه زرزریسج" قزری ج زرزریسج کولاناسیرسج
	قزیزسیرا کولاناسیرسج
	قزیزسیرا کولاناسیرسج

	ارستریس ریسه زرزریسج کولاناسیرسج
	سیر:
<p align="center">11 ج خیزسیرا 2024 قو کسیرسج</p> <p align="center">قزیزسیرا 11:00</p>	کسیر:

Hoadhadu Volley & Hand Ball Construction Project

SUMMARY OF BILL OF QUANTITIES

NO	BILL	AMOUNT (MRF)
1	PRELIMINARIES	-
2	EARTH WORKS	-
3	CONCRETE	-
4	METAL WORK	-
5	TURF INSTALLATIONS	-
6	ELECTRICAL, AND SPECIFIC INSTALLATIONS	-
7	ADDITION	
8	OMMISION	
	Sub Total of Bills	-
	Goods and Service Taxes (8%)	-
GRAND TOTAL		-

Hoadhadu Volley & Hand Ball Construction Project

Fuvahmulah City

Date : 06.06.2024

NO: FVM-HD-FS-2024

BILL OF QUANTITIES

Item	Description	Qty	Unit	Rate	Amount
BILL No: 01					
	<u>PRELIMINARIES</u>				
	<u>NOTES:</u> Any discrepancies with BOQ and Drawings has to be addressed prior to bid submission. Upon awarding the contract, issues with BOQ and Drawing will be settled as per the consultant instruction in regard to BOQ, Drawing and Scope of the work.				
1.1	<u>SITE MANAGEMENT COSTS</u>				
(1)	Allow for all on and off site management cost including costs of foreman and assistants, temporary services, telephone, fax, hoardings and similar.	1.00	Item		0.00
1.2	<u>SITE SAFETY / SECURITIES</u>				
(1)	Allow lump sum for health and safety measures , Welding , Cutting , Grinding protection gears for contractor's staff	1.00	Item		0.00
(2)	Allow for erecting and maintaining of temporary scaffoldings, supports, platforms and climbing stairs and remove on completion of the Works including temporary re-erections if required.	1.00	Item		0.00
1.3	<u>SURVEY & SET OUT</u>				
(1)	In survey of ground area elevations and location marking	1.00	Item		0.00
BILL No: 01 - PRELIMINARIES					0.00
TOTAL OF BILL No: 01 - Carried over to summary					0.00

BILL No: 02					
	<u>EARTH WORKS</u>				
2.1	<u>SITE CLEARING</u>				
(1)	Removing Trees , trunks and roots ,leveling and cleaning, waste materials away from the site.	1.00	Item		0.00
2.2	<u>EXCAVATION</u> Note: Excavation quantities are measured to the faces of concrete members. Rates shall include for all excavation required to Foundations/Drainage Gutter / Post Footings, cable trenches and dewatering the if required.				
(1)	Excavation foundations ,drainage gutter with drain pipe line , light post footings and Electric cable trenches.	52.68	M ³		0.00
2.3	<u>DAMP PROOFING</u> Note: Rates shall include for: dressing around and sealing to avoid all penetrations				
(1)	Damp proof membrane under foundation	30.00	M ²		0.00
2.4	<u>WATER PROOFING</u> Apply 2 coats of Bituminous paint or similar on all concrete surfaces below ground level in accordance with manufacturer's instructions				
(1)	Concrete base	142.56	M ²		0.00
2.5	<u>EARTH FILLING (SOIL GRADING & COMPACTION)</u> Rates shall include: Survey & Setting out the futsal ground location marking as per the grid and elevations. Levelling, grading, trimming and compacting. Reference to the instructions Drawing Page 4 (Soil Grading & Compaction)				
(1)	In-Survey & Setting out as per the grid (5Mx6M) and mark the levels.	1.00	Item		0.00
(2)	Removing top soil as per the Spec using Grader Machine.	254.00	M ³		0.00

(3)	Backfilling Base Course 150mm thick Layer & Compact by Vibratory Plate Compactors.	195.00	M ³		0.00
(4)	Grating sand for top surface layer (10 x10mm) Siever and back fill 50mm thick surface layer for compaction by vibratory plate compacter	64.00	M3		0.00
(5)	Out survey of elevations , surface compaction strength up on completion of Surface Course (Level of the grid 5 x 6 m) before laying Turf.	1.00	Item		0.00
2.6 PAVING AND LEVELING					
(1)	Installing curb stone along with the drainage side ways	88.00	M		0.00
2.7	<u>ROADWAY DRAINAGE SYSTEM</u> (a) Rates shall include for excavation, maintaining faces of drain pipe trenches and pits, backfilling, disposal of surplus soil, bends, junctions, reducers, expansion joints and all joints and other incidental materials.				
(1)	Supply and installation of Pre - cast concrete tench drain" U" blocks as per drawings.	10.00	Nos		0.00
2.8 CLEANING UPON COMPLETION					
(1)	Cleaning the site upon completion of all works	1.00	item		0.00
BILL No: 02 - EARTH WORKS					0.00
TOTAL OF BILL No: 02 - Carried over to summary					0.00

BILL No: 03					
<u>CONCRETE</u>					
(a) Rates shall include for: provision to place in position; casting of all required items and finishing after removal of formwork and additional concrete required to conform to structural and excavated tolerances					
(b) Rates shall include supply of all formwork item including form oil, timber, plywood, nails etc.					
(c) Mix ratio for reinforced concrete shall be 1:2:3 and lean concrete shall be 1:10 by volume					
3.1	<u>LEAN CONCRETE</u> Note: Quantity is measured to the edges of concrete members. Rates shall be inclusive of any additional concrete required to place the formwork.				
(1)	50mm thick lean concrete to bottom of concrete base	2.50	M ³		0.00
3.2	<u>REINFORCED CONCRETE</u> In-situ reinforced concrete to:				
<u>Foundation level</u>					
(1)	Boundary Foundation	8.98	M ³		0.00
(2)	Boundary Wall Capping	3.37	M ³		0.00
(3)	Column stump Inside Wall 48 Nos	1.41	M ³		0.00
(4)	Light Post Footings 6 Nos	1.56	M ³		0.00
(5)	Gutter Lid 20 nos	0.64	M ³		0.00
(6)	Gutter box 20 nos	2.85	M ³		0.00
(7)	Curb Stone 88 nos	1.76	M ³		0.00
3.3	<u>FORMWORK</u> (a) Rates shall include for: all necessary boarding, supports, erecting, framing, temporary cambering, cutting, perforations for reinforcing bars, bolts, straps, ties, hangers, pipes and removal of formwork.				
3.4	<u>REINFORCEMENT</u> (a) Rates shall include for: cleaning, fabrication, placing, the provision for all necessary temporary fixings and supports including tie wire and chair supports, laps and wastage (b) All reinforcing bars except 6mm dia bars shall be high strength deformed bars (c) The exact length exclusive of laps are given. The rates shall take into account laps and any wastage.				
3.5	<u>Reinforcement of Foundations, Column , Footings</u>				

(1)	12 mm dia. bars (210)	210.00	Nos		0.00
(2)	10 mm dia. bars (55)	55.00	Nos		0.00
(3)	6mm dia. Bars (76)	76.00	Nos		0.00
3.6	<u>MASONRY AND PLASTERING</u> Note: Rates shall include for: blocks, cutting or leaving holes and openings as recesses, building in pipes, conduits, sleeves and similar as required for all trades; leaving surfaces rough or raking out joints for plastering and flashing, bedding frames (a) Mix ratio for Plastering & masonry shall be 1:3.				
(1)	150mm thick hollow block masonry wall	185.00	M ²		0.00
(2)	20mm Thick Plastering on both side of Wall	370.00	M ²		0.00
	BILL No: 03 - CONCRETE				0.00
	TOTAL OF BILL No: 03 - Carried over to summary				0.00

BILL No: 04					
<u>METAL WORKS</u>					
	Note: (a) Rates shall include for: all fabrication work, welding, marking, drilling for bolts including those securing timbers, steel plates, bolts, nuts and any type of washer, riveted work, counter sinking and tapping for bolts or machine screws. (b) Rates shall include for all painting and finishing on all Fabrication works (SIGMA Marine Grade, including Undercoat and Finishing Coat) (c) Rates shall include for fabrication and erection of temporary supports and fixing into position				
4.1	<u>PVC FENCING</u> Boundary fencing with PVC coated chain link fencing net (8 guage), with medium duty GI pipe supporting frame and concrete footings as per design drawings including earthwork etc all complete as per the directions of Engineer-in-charge. Fencing net should fix inside futsal pitch.				
(1)	PVC fence	476.00	M ²		0.00
(2)	38mm GI pipe horizontal members (2mm thick)	748.00	M		0.00
(3)	50mm GI pipe Vertical members (2.4mm thick)	240.00	M		0.00
(4)	13.6mm GI Pipe Goal fence area 6m (1.8mm thick pipe members)	256.00	M		0.00
4.2	<u>ENTANCE GATES</u> Supplying all materials and labour and fabricating swing type Gate (double leafed) with medium duty GI pipes & PVC coated chain link fencing net (50mm x 50mm mesh size) as per design drawings including 2 nr's of hinges per leaf & locking arrangement etc all complete of the following size as per directions of Engineer-in-charge.				
(1)	Main Entrance Slide Gate (GI Pipe fabrication)	1.00	Nos		0.00
(2)	Side Entrance small Gate (GI Pipe fabrication)	2.00	Nos		0.00
(3)	Goal Post	2.00	Nos		0.00
4.3	<u>LIGHTING POLES</u> Supply and fixing of Gi pipe single arm lighting pole with hot dip galvanized, smooth finish as described.				
(1)	Lighting pole as per drawing	6.00	Nos		0.00
4.4	<u>OUTDOOR BENCH</u> Supply and deliver to site, Bench as per drawings. Rates shall include fabrication or Supply abroad. Painting and completion of all				
(1)	Volly Court Net Post with adjustable Winch System and footing Sockets	2.00	Nos		0.00
(2)	Volly Ball Outdoor Net.	1.00	Nos		0.00
(3)	Refree Stand	1.00	Nos		0.00

(4)	Team Bench (Min 8 Seat)	2.00	Nos		0.00
(5)	Refrees Bench (3 Seat)	1.00	Nos		0.00
4.5	<u>PAINTING</u> Nippon or equivalent emulsion paint finish on cement plastered walls and concrete surfaces. Exterior walls should be applied with weather proof paint.Allow for applied 1-coats of Alkali Resisting primer on all plastered surface.SIGMA Marine Grade, including Undercoat and Finishing Coat for all Metal surface.				
(1)	Boundary Wall Exterior surfaces	375.00	M ²		0.00
(2)	Painting boundary fence Gi Pipes	1.00	Item		0.00
	BILL No: 04 - CONCRETE				0.00
	TOTAL OF BILL No: 04 - Carried over to summary				0.00

BILL No: 05					
5.1	<u>TURF INSTALLATIONS</u> Supply and installation of infilled artificial grass with manufactures instructions and Allow for infill materials which are silica sand and rubber granules as described <u>Turf Specification (ISO Standard or equivalent)</u> Dtex:12000 Pile Height: 40 mm Stitch Rate: 14 Stitches / 10cm +/- 10% Gauge: 5/8 inch Density: 8820 Stitches /SQM +/- 10% Pile Weight: 1491g/SQM (±5%) Backing: 3 Layers (composite PP+Net) Second Backing: Latex Color: Verde green & Lime Turf Specification (ISO Standard or equivalent)				
(1)	Play Area Turf (44/24m) (pille height 40mm)	1,056.00	M ²		0.00
(2)	Outside Pitch Team Bench & Supporters area Turf (20~30mm Pile Height)	176.00	M ²		0.00
(3)	Adhesive Pu bi-component	30.00	Set		0.00
(4)	Seaming Tape (30cm wide)	500.00	m		0.00
(5)	SBR Rubber Granules for infilling (0.8-2.5mm)	8.50	Tons		0.00
(6)	Silica Sand for Infill (0.5-1.0mm) (washed dried cleaned and processed)	15.00	Tons		0.00
5.2	<u>LINE AND MARKING</u> Nippon or equivalent floor paint finish on concrete surfaces. Exterior surfaces should be applied with weather proof red colour paint.Allow for applied 1-coats of Alkali Resisting primer on all surfaces.				
(1)	Line Markings as per drawing / in accordance to the laws of the game(White & Yellow line)	263.00	M		0.00
	BILL No: 05 - TURF INSTALLATION				0.00
	TOTAL OF BILL No: 05 - Carried over to summary				0.00

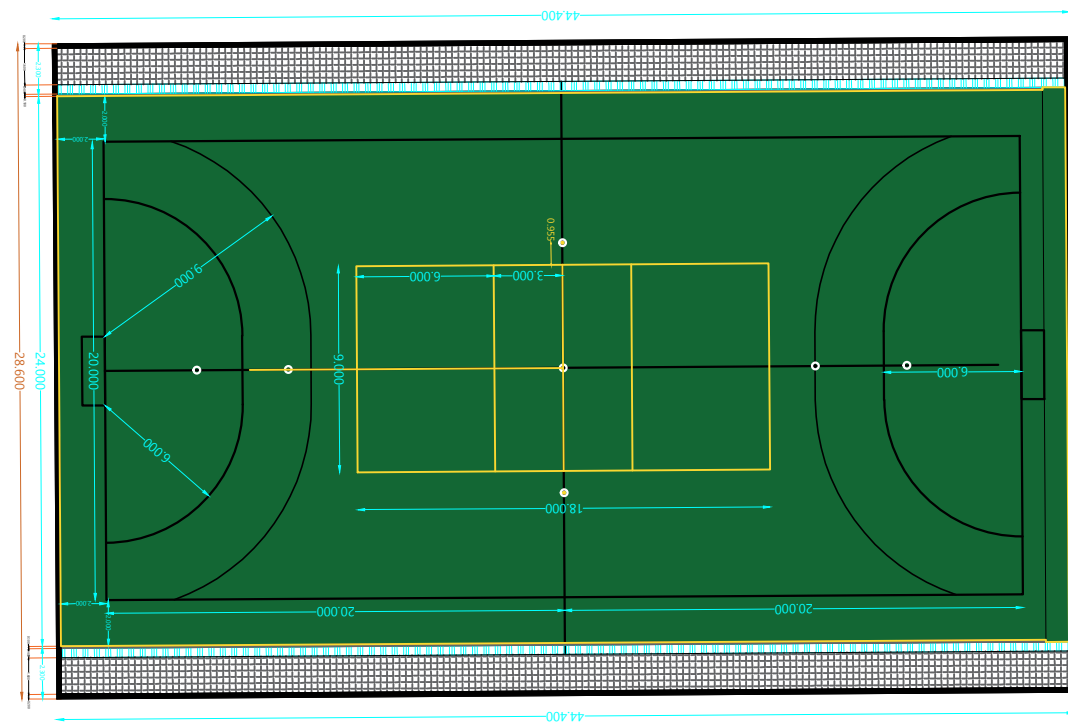
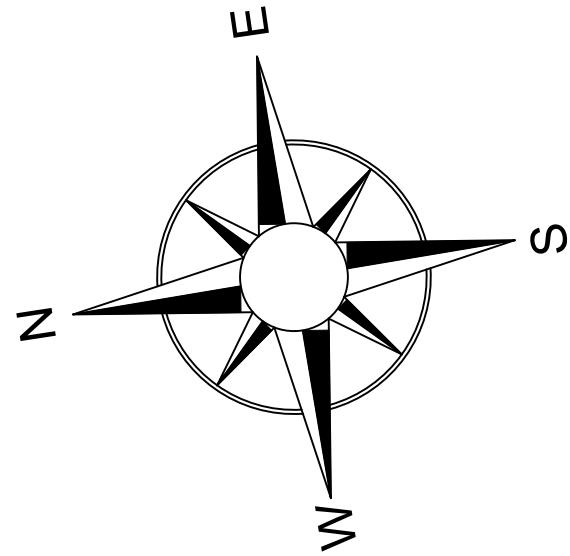
BILL No: 06					
	<u>ELECTRICAL & SPECIFIC INSTALLATIONS</u> (a) Rates shall include for: screws, nails, bolts, nuts, standard cable fixing or supporting clips, brackets, straps, rivets, plugs and all incidental accessories (b) Rates for work in trench shall include for: excavation, maintaining faces of excavations, backfilling, compaction, appropriate cable covers, warning tape and disposal of surplus spoil				

	(c) Rates for electrical conduits, fittings, warning tape equipment and similar items shall include for: all fixings to various building surfaces (d) Light end and switch end of wiring together measured as one point (e) A point wiring for power points is measured as one point for each socket outlet; other end of wire is not included in the quantity. (f) Rates shall include for supply and complete installation (g) Three phase power supply.				
6.1	<u>ELECTRICAL BOARDS</u> Complete installation, including for all connections, earthing, painting, testing and similar of: Three phase main panel board with connections from the mains including meter, cut-off fuse and other accessories to be located in the panel room at ground floor to electrical engineers specification				
(1)	Main distribution board (with a Timmer Switch)	1.00	Nos		0.00
(2)	Electricity meters	1.00	Nos		0.00
6.2	<u>ELECTRICAL WIRING</u> Electrical wiring with copper conductor cable in conduits in walls and concrete as per government regulations including necessary D-boards at each level.				
(1)	Wiring to Lighting	12.00	Pts		0.00
(2)	Wiring to D/B	1.00	Item		0.00
(3)	Connected to main with 16sqm cable	1.00	Item		0.00
6.3	<u>CABLE LAYING</u> Supply and laying of 10 sqmm cable with GI 4.5mm thick condute and avarage depth is 600mm to 650mm as described				
(1)	10sqmm 4 core cabc with hard condute on all light post to main distribution boad	1.00	Item		0.00
6.4	<u>LIGHTING, POWER POINTS</u> All lights shall be of 'Cree' or equivalent brand or equivalent,led tube light shall be pure white all switches, sockets etc. shall be 'Legrand' brand or equivalent <u>Light Specification</u> Item Type:400W LED Floodlight LED Type: Epistar/Bridgelux/Cree Power:400W Lamp Luminous Flux:7000-9000lm Lamp Luminous Efficiency: 70-90lm/W CRI: ≥75Ra Color Temperature: 6000~7000K(CW) Beam Angle: 120-140 degree IP Grade: IP65 Input Voltage: AC85-265V Frequency: 50/60HZ Lamp Body Material: Aluminum Alloy Life Time: ≥35000hours Working Temperature: -20°C~+45°C Shell Color: Grey or Black Dimension: 290*290*90mm Appliance Class: Class I Certification: CE, RoHS, FCC Warranty: 2 years				
(1)	Led flood light (400watts)	12.00	Nos		0.00
(2)	Switch(manual control)	12.00	Nos		0.00
BILL No: 06 - ELECTRICAL& SPECIFIC INSTALLATIONS					0.00
TOTAL OF BILL No: 06- Carried over to summary					0.00

SUMMARY OF BILL OF QUANTITIES		
NO	BILL	AMOUNT (MRF)
1	PRIMILINARIES	
2	EARTH WORKS	
3	CONCRETE	

4	METAL WORK	
5	TURF INSTALLATIONS	
6	ELECTRICAL, AND SPECIFIC INSTALLATIONS	
7	ADDITION	
8	OMMISION	
Sub Total of Bills		-
Goods and Service Taxes (8%)		-
GRAND TOTAL		-

HOADHADU HANDBALL PITCH PROPOSED LOCATION



7620 [25']

7244 [23'-9"]

HOADHADU FOOTBALL GROUND

This Drawing Should be used only for the purpose mentioned on this sheet

PROJECT :
Hoadhado Volley & Handball Ground Project
Fuyahmulah City

CLIENT :
Ministry of Youth , Sports & Community Empowerment
Secretariat of the Fuyahmulah City Council

DRAWING TITLE :
Proposed Location & Orientation

CONCEPT :
Ministry of Youth & Empowerment
DRAWN :
Architectural Checker :

STRUCTURAL CHECKER :

SCALE : AS GIVEN DATE : 10 Nov 2023
DRAWING No : FILE NAME : FPM-REV-FS-2023

REVISION NO :
REVISION NO :
FILE NAME :
DATE :

PAGE No : 1
Drawing Discipline :
Architectural and Structural - Approval

REVISION NO	DATE	DESCRIPTION



1. ALL STRUCTURAL DRAWINGS SHALL BE IN CONJUNCTION WITH ALL ARCHITECTURAL SERVICE AND DRAWINGS, SPECIFICATIONS AND WRITTEN INSTRUCTIONS IF ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED FOR DECISION BEFORE PROCEEDING WITH THE WORK.
2. THE DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS RELEVANT TO SETTING OUT AND SITE SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED.
3. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE RELEVANT RECENT BS CODES OR OTHER ACCEPTABLE STANDARDS.
4. BASED ON THE DRAWINGS AND SPECIFICATIONS THE CONTRACTOR SHALL PRODUCE STRUCTURAL SHOP DRAWINGS FOR APPROVAL IF REQUESTED.
5. ALL DIMENSIONS OF STRUCTURAL DRAWINGS ARE IN METERS UNLESS STATED OTHERWISE. ALL LEVELS ARE EXPRESSED IN MILLI METERS.