



PROPOSED NEW VCTC PROJECTS (THE VISION 2018)

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The projects as listed here represent the vision for the future of VCTC and it originates from the ideas and thinking of various members.

1 STORE & WORKSHOP AND VEHICLE PARKING SHELTER

1.1 The Store

The new store 9.5m x 20m is required to safely store and protect capital equipment and clay targets. The store will have an eight-foot high brick wall all around, with the rest of the walls and roof in IBR sheet with sisalation/insulation.

Two roller shutter doors. One with a single entrance door built in.

The floor to be reinforced concrete designed to highest load expected (driving tractors in and out with heavy loads) and power floated.

Lighting internally and externally.

1.2 Workshop

The workshop is a brick structure within the shed that can be securely locked off. Here machines and other equipment are brought in for repair and or maintenance.

Tools and spares may be stored here in lockable steel cabinets.

Adjustable height workbench to place machines on (motorcycle workbench)

Catch net for testing machines.

Lighting in the workshop and store.

Electrical socket outlets in the workshop and store for powering tools and equipment.

1.3 Vehicle parking shelters

These are sturdy frames with an IBR sheeting roof (possibly enclosed back and sides) where up to four tractors/vehicles can be parked.

One of the sections could have a vehicle inspection pit for the maintenance and inspection of the vehicles.

The roof of the shed must have proper guttering led to water storage tanks. This water can be used as emergency water for the compound facilities. With filtration treatment it can provide potable water.

1.4 Sponsorship opportunity:

The sponsors signage on both sides of the shed for 5 years.

Free membership of the club for five years for two people.

2 CLUB FRONT ENTRANCE GATEWAY

This is the first and last thing visitors see. First impressions are everything.

Upon arrival the gateway is a welcoming sign creating the expectation of a great experience, and when departing the visitors are welcomed to come back.

The gate is going to form part of our public projected image.

The gate has lights that illuminate the signs and the entrance. The lights can be controlled by mobile phone to switch on and off.

Built into the column is heavy duty steel JB with the breakers/switches/controls and an electrical socket outlet in the event tools and equipment are required to be powered for maintenance.

3 GENERATOR HOUSE & GENERATOR

The donation of a 40kVA generator is pending, and such a valuable piece of equipment must be placed in its own special enclosure/room/house.

House to be properly insulated against heat and cold.

Automatically operated vent louvres.

Lights and electrical sockets for powering tools

Lockable steel spares/tool/utility cabinet.

Generator to be placed on base isolators to prevent vibration being transmitted into the building structure.

Test and Maintenance procedures required.

Hours the unit can run on one tank? Secondary tank for events. Fuel rotation procedure to maintain clean fuel.

4 RANGES

4.1 MULTI-DISCIPLINE RANGE

A multi-discipline range for the centralization of shoot offs, finals and even competitions has been proposed and would be a valuable asset of the club.

It is possible for such a range to accommodate all the disciplines.

Draft proposal drawings and specification required.

It is possible to do all the foundation concrete and some brickwork with services sleeves and drainage as phase one.

A removable skeet high tower is possible (made out of a container placed on end, or a steel & IBR structure) with its fence also being removable.

It is possible for a multi-discipline range to handle all the standard disciplines.

4.2 AUTOMATION OF ALL RANGES (Low priority)

The automation of all ranges with card operated systems and all automatic machines with hoppers, will drastically reduce the dependency on trappers and scorers. In the long term this will equate to much lower operating costs. It will make shooting easier without the shooters having to buy more tickets, and encourage them to shoot more.

What systems are available?

What do they cost per range?

Do they link back to our financial/management software for statistics?

Do they interface with software for running competitions?

Voice releases with a link to a round by card system. A person cannot be squadded if he/she does not register their card. Only two no birds per person per round allowed. Microphones must have no bird buttons or be shot sensitive (people shooting at no-birds counts as a shot). (No trapper needed).



4.3 SPORTING RANGE HIGH SHOOTING PLATFORM - KOPPIE

This purpose build engineered platform is an essential tool to allow our provincial and national team members prepare for competition to shoot at targets below their feet. Something that has placed them at a disadvantage for years.

The proposed site is at the "Koppie" range to give great elevation and access.

The live load will consist of squads of 7 persons with two trappers at a time with weapons and ammunition plus a safety factor of x 2.

4.3.1 Two shooting levels:

4.3.1.1 One at 0.5m above ground level.

4.3.1.2 The second at 4m above the first, with a roof at 3m above.

14.2 Machine platform levels:

4.3.2 On the roof?

4.4 PRESENT SPORTING WOODEN TOWER UPGRADE/REPLACEMENT

This purpose build engineered platform is an essential tool to allow our provincial and national team members prepare for competition to shoot at targets below their feet. Something that has placed them at a disadvantage for years.

The live load will consist of squads of 7 persons with two trappers at a time with weapons and ammunition plus a safety factor of x 2.

14.1 Two shooting levels:

4.4.1 One at the present level and location.

4.4.2 The second at 4m above the first.

4.4.3

14.2 Machine platform levels (from top to bottom):

4.4.4 2.5m above the topmost shooting platform, and large enough for three machines plus space for the trappers to load and service/repair the machines.

4.4.5 Half way between the Upper and lower shooting platform.

4.4.6 1,8m below the lower shooting platform.

4.5 TRENCH RANGE AUTOMATION AND UPGRADE

The trench range is too expensive to operate as it has hand operated machines, and therefore requires additional trappers during practice and competitions.

The range requires a set of fully automated FAB machines.

At the same time, the wiring is a major concern as it is buried and is more that 20 years old, and a lot of our problems are due to poor connections and poor connection methods.

New sleeves are required to be laid to allow the cables to be pulled in easily, and easily replaces if they become faulty.

A standard specification for the wiring of ranges must be created.



5 ACCOMMODATION ON SITE

5.1 UPGRADE/REPAIR STAFF ACCOMMODATION & OUTBUILDINGS

The outbuilding and accommodation are in a serious state of disrepair and require urgent upgrading to make them livable and useful.

As part of this, a yard clean out must be done before any upgrades. Here it must be ascertained what must be kept (useful), and what must be dumped (and then it must be dumped). The useful items must be temporarily stored outside while the yard is cleaned. Then stored in allocated prepared areas.

The battery charging area must be moved into a well-ventilated purpose-built structure. There must be lights and electrical socket outlets.

The areas must be painted and the structures identified as useful/upgradable must be refurbished.

Urgent attention to accommodation for visiting trappers for next years FITASC Event.

5.2 MANAGERS HOUSE

A proposal to build a manager's house on the premises has a lot of merit.

We pay for the vehicle to travel 70km per day with the accompanying fuel and maintenance costs.

This saving alone would contribute to cover the cost of building.

However, if the manager's son stays with him, then he may be travelling even more to get his son to school and back?

The benefit would be that we would have a permanent presence on site by a senior person which is good for security for the Clubs valuable investment.

5.3 VISITORS ACCOMMODATION

A proposal to build visitors accommodation chalets suitable for visiting Olympic & National Teams.

This multipurpose accommodation could house Olympic teams and their entourage with their required kitchen facilities to utilize our Club as an official training facility.

Thereafter the accommodation can be rented out as self-catering units at special events and national and international competitions.

6 IT - NEW IT SERVER AND WI-FI NETWORK

The Club needs a file server to centralise all its important documentation and data.

A server and Local Area Network (LAN) must be installed.

Server, Alarm systems, Tills, banking and card reading machines and PCs must be on UPS power.

Server to be in a secure, dust free and air-conditioned area.

There must be a Wi-Fi point and extender down to the armoury.

The network must be extended by cable to the new workshop in the event that the maintenance person wishes to search the database for maintenance documents and operational manuals for the equipment being maintained, and to log job cards.

The networks can be extended to cover all the ranges to allow the use of an computerized scoring system in the future.

7 OUTSIDE LIGHTING

The Club is poorly lit at night, making late night events like night shoots and social events unpleasant and it is also a safety concern.

Areas that require lighting

Roadway lighting on poles.

Parking area lighting (part of the roadway lighting). Situated on the sides of the Club House

These lights can be switched on and off by management via a mobile phone app (IBMS Adrenaline & Mobile).

Lighting can be automated to come on when the camera security system senses movement, or an intruder alarm is activated.

Certain lights can be activated by day and night sensors.



8 NIGHT SHOOT LIGHTING

This could be placed on the proposed multi use range and one skeet range.
Night shoots could be held quarterly as good sources of income with accompanying catering.
CP stated that he might possibly let us have special flood lights for this.

9 SECURITY

The Clubs security should be enhanced by a CCTV security surveillance system. The IBMS Adrenaline System allows the CCTV video stream to be distributed which is a great advantage.

10 NEW TILL AND CARD SYSTEM (In progress)

This system will handle membership cards which the members can “top up” (at a card machine? On line?)

The cards are given out to visitors. R25.00 card fee (in case the card is not returned). Visitors cards not “cashed in” (how and where?) become invalid.

Cards must be able to be used on automated ranges to pay for rounds up front before a squad starts.

Food ordering system with screen in kitchen showing orders, and order of food delivery.

11 CLUB HOUSE UPGRADE – 5-Year plan.

The Club house will become too small once we get the numbers of corporate shoots and events as well as members up. This becomes evident at large shoots.

The proposal was at one stage to cast a slab above the Club House that overhangs it by a cantilevered or columned system. This floor would contain the restaurant with great views over all the ranges, A board room, and possibly a small operational room for managing events 4 x 4m one level up.

The ground floor could house two shops (clothing and memorabilia, plus??)

Sub project pending the main clubhouse upgrade:

Extend the current stoep/patio slab to expand the area by 2,5 times.

Roof the extended stoep/patio with a tent top with sides that can be added as required.

Extent the braais further out to accommodate 1 very large braai (or 2 big braais) for large events and corporate events. Add lighting in the braais to account for low light conditions when cooking. This braai should be as far from the club house as possible. The other option is to use portable braais

Access from the parking areas to the clubhouse to be made wider and wheel chair friendly.

12 VEGATATION PROTECTION AND UPGRADE

This project is for signage and demarcation to be placed to protect the vegetation.

In addition it is also desirable to plant varieties of large Acacia trees for shade, demarcation and effect.

