



**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

**Material :PROCUREMENT,INSTALLATION & COMMISSIONING OF PORTA CABINS ALONG WITH SPLIT ACs & GEYSERS**

**Due Date:**

**Tender Enquiry No: PROC/LF/PT/17601/19**

**Bid Bond Value : RS.7.0 MILLION**  
**Attachment(if any) : YES**

**EVALUATION WILL BE CARRIED OUT ON FULL**

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation Tender Any
1	Porta Cabins (Office cum Residential fitted with ACs and Geyser),40'x 10' portioned in 02 compartments.One as living room with attached bath and the other to be furnished as office.Detail Specifications as per Annexures 1-4.	2		Number					
2	Porta Cabins (Residential fitted with AC's and Geysers),40' x 10' portioned in two compartments furnished with living arrangements of two person per compartment.Each compartment with attach washroom.Detail Specifications as per Annexures1-4.	1		Number					
3	Porta Cabins (Residential),40'x10' portioned in 03 compartments furnished with living arrangements of one person per compartment.Each compartment fitted with AC & each attach washroom fitted with Geyser.Detail Specs as per Annexure 1-4.	2		Number					
4	Porta Cabins (Residential),40'x10' portioned in three compartments furnish with living arrangements of 02 person per compartment.Each compartment with fitted AC & each attach washroom fitted with Geyser.Detail Specs as per Annexures 1-4.	21		Number					
5	Porta Cabins (Residential),40'x10' portioned in four compartments furnished with living arrangements of two person per compartment fitted with ACs 1.5 Ton. Detail Specifications as per Annexures-1-3.	20		Number					
6	Porta Cabins (Residential), 40' x 10' portioned in 04 compartments furnished with living arrangements of four person per compartment fitted with ACs 1.5 Ton.Detail Specifications as per Annexure-1-3.	33		Number					
7	Porta Cabin (Office cum clinic),40' x 10' portioned in 02 compartments fitted with ACs.One furnished as clinic for doctor & attach washroom fitted with Geyser.Other furnished as dispensary with medicines rack.Detail Spec as per Annexure 1-4.	2		Number					
8	Porta Cabins (Dining Room), 40' x 10' fitted with 03 Nos AC 1.5 Ton.Detail Specification as per Annexure-1-3.	5		Number					
9	Porta Cabins (Dining Room), 20' x 10' fitted with 03 Nos ACs 1.5 Ton.Detail Specifications as per Annexure-1-3.	1		Number					
10	Porta Cabins (TV Room),40' x 10' fitted with 03 Nos ACs.Detail Specifications as per Annexure-1-3.	4		Number					
11	Porta Cabins (Dining Room cum TV Room),40' x 10' furnished with furniture,Capacity 40 persons as minimum fitted with 03 Nos ACs for Staff of Dhoke Hussain.Detail Specifications as per Annexure-1-3.	3		Number					
12	Porta Cabin (Office),40' x 10' portioned in 2 offices each with attached bathroom fitted with ACs 1.5 Ton & Geysers.One furnished with	1		Number					



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	Executive Office & other furnished as meeting Room (FM Dhok Hussain).Detail Specs as per Annexure-1-4.								
13	Porta Cabin (Office),40' x 10' portioned in 3 offices each fitted with ACs 1.5 Ton.Each Office furnished with 2 File Cabinets,2 Office Tables,2 Revolving Chairs,4 Visitor Chairs as minimum.Detail Specs as per Annexure-1-3.	4		Number					

**Special Note:** The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- DELIVERY AS PER CLAUSE NO.3 OF TOR ON FOR NASHPA & DHOKE HUSSAIN OIL FIELDS,KARAK KPK.PAYMENT TERMS AS PER CLAUSE NO.31 OF TOR.

Discount (if any) shall only be entertained on Schedule of Requirement of Bidding Document (Financial Proposal). If the discount is mentioned elsewhere in the bid, the same shall not be entertained.

**Mandatory Checklist.**

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bid(s) will not be accepted):

Documents	To be Attached with the Technical/Financial Bids	Compliance	
		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Original Bid Bond.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-A (Un-priced)</b> along with Attachments as Annexures 1, 2, 3 & 4.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-B.</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-D.</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-L</b> on Company's Letterhead.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-M</b> on Company's Letterhead.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-N</b> on Non-Judicial Stamp Paper duly attested by Notary Public.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-K</b> i.e. Fair Price Certificate from OEM.	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-A (Priced)</b> along with Attachments as Annexures 1, 2, 3 & 4.	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-C.</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-E.</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Name, Sign and Stamp of the authorized official of the Bidder(s) \_\_\_\_\_



**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) \_\_\_\_\_

## Terms of Reference (TOR)

### **1. General Introduction.**

OGDCL intends to procure 99 Nos Fully Furnished Self Standing Porta Cabins (Brand New and manufactured solely for this tender enquiry) for OGDCL Nashpa & Dhoke Hussain Oil Fields (as per this SOR/TOR and Annexures) as a complete Package.

Nashpa Oil Field is situated on main Indus Highway between Kohat and Karak in Distt. Karak, KPK. Dhok Hussain Field is situated about 20 KM to Kohat and about 10 KM from Kohat Rawalpindi Highway in Distt. Kohat, KPK.

### **2. Requirement**

The detail of Porta Cabins required is listed at Annexure-2. Each Porta Cabin shall be 100 % furnished in all respect according to the type and usage as per this TOR, Annexures.

### **3. Delivery Period**

The delivery period of the Porta Cabins installed with AC and Geysers at OGDCL Nashpa Oil Field (72 Nos) and Dhok Hussain Field (27 Nos) will be 240 days starting from Local Purchase Order issuance date failing which LD will be imposed. After delivery at site, maximum time frame for installation and commissioning at field will be 30 days.

### **4. General Description**

4.1. Porta Cabins should be provided as per this TOR and Annexure 2.





4.2. Split AC's should be provided as per TOR as Annexure-3.

4.3. Electric Geyser should be provided as per TOR as Annexure-4.

4.4. Self-standing Porta Cabins should be manufactured in accordance with applicable codes and standards (e.g. AISC, ASD, LRFD etc.) for Mobile Living Camps, Remote-site Offices, Utilities, Workshops, and Stores requiring minimum maintenance and providing comfortable working environment.

4.5. All Porta Cabins must be capable of tolerating all applicable loads e.g. Service Loads, severe environmental loads, transportation loads, loading/off-loading mechanisms etc.

4.6. All Porta Cabins should be manufactured while considering following environmental constraints: -

 Ambient Temperature	0-52° C
 Humidity	0-90% Max
 Max Wind Velocity	160 Km/Hour
 Seismic Zone	2B

4.7. All Porta Cabins (with all accessories, fittings inside) should be brand-new & un- used.

4.8. Fittings & Accessories inside all Porta Cabins should remain firm to their places of installation during shifting through trailers.

4.9. All Porta Cabins should have facility to be connected to electrical distribution panels placed at suitable places of the End-User Site.

- 4.10. General Provisions such as windows, doors, electrical and plumbing connectors, should be recessed within the Geometry of Porta Cabins.
- 4.11. Each Porta Cabin should be facilitated with one roof-top-fitted removable, adjustable, and water-proof flood light (250 W) along-with fixture fixed at removable, up- down-adjustable, turn-adjustable, and folding-style M.S. Light Poles fitted at one of the front-columns of each Porta Cabin. These lights would serve for illumination of surrounding area of Porta Cabin. M.S. Light Pole would be inserted in M.S. Bracket welded at front-columns of each Porta Cabin.
- 4.12. It must be ensured that Porta Cabin dimensions, level, thickness, fabrication, erection, patch-filling and welding work, is completely rectified up to safety, quality standards, user's instructions and prescribed checks of Inspecting Authority.
- 4.13. All the required material for the Porta Cabins shall be in accordance to the specifications mentioned in this document and design of each type of Porta Cabin shall be approved by OGDCL prior to construction.

## **5. Engineering and Design**

- 5.1. Bidder has to carry out detail engineering and design and should develop drawings.
- 5.2. The preliminary engineering, design and drawings should be submitted with the technical bid. The successful bidder will have to review the design and drawings if asked by OGDCL.
- 5.3. The successful bidder will procure material and construct/fabricate the Porta Cabins as per approved design and drawings and supply & commission the same at Nashpa Oil Field Distt. Karak KPK and Dhok Hussain Field District Kohat KPK.
- 5.4. Prior to start of fabrications works, bidder has to approve the design and drawings from the OGDCL.
- 5.5. Bidder has to provide the detail drawings to OGDCL in soft and hard forms after award of contract as per technical specifications.
- 5.6. **OVER ALL DIMENSION OF PORTA CABIN**

Length	40'-0"
Width	10'-0"
Height at sides	9'-0"
Height at center	9'-9"

## **6. Skid:**

- 6.1. Heavy duty skid should consist minimum of 2-Runners rolled I-Beam of size 12" x 5" having minimum weight of 15 KG/ft for longitudinal members.
- 6.2. 3-Runners rolled I-Beam of size 10" x 5" having minimum weight of 12.5 KG/ft for cross members equally spaced along the length and welded with the longitudinal main members. Two pipes of 11' 5" length (with ending Pulley) and fixed at around 20' (plus-minus in view of shed's placement) distance would serve for Centre bottom lifting.

- 6.3. MS pipe of Schedule-80, 5" diameter & 9.5 mm thickness for end cross members for cable wrenching & lifting.
- 6.4. 24" extension at either end of building with top made from 3.0 mm M.S. Checkered Sheet.
- 6.5. 10 mm thick Heavy duty gusset plate welded on end crosses members, enabling the skid suitable for direct crane lifting purpose.
- 6.6. GI sheet SWG 16 (Thickness 1/16") shall be riveted on top of the skid.

## **7. Base Frame:**

- 7.1. Base Frame (Base Ring Beam) should be constructed by welding prime quality, heavy duty M.S. U-Channel of size (5" X 2.5") having minimum weight of 3.8 KG/ft, all around to support the side walls at the base.
- 7.2. Cross members (Cross Joints at Bottom) should be made from MS U-Channel of size 4" X 2" having minimum weight of 3.25 KG/ft welded at a distance of 24" as per standard code of practice to support floor.
- 7.3. For reinforcement of Floor, 50 mm X 50mm X 4.69 mm thick MS Angle Iron as longitudinal cross joint should be welded between U-Channel cross members.

## **8. Top Frame:**

- 8.1. Top Frame (Top Ring Beam or Roof Frame) is constructed by welding prime quality M.S. U-Channel of size (100mmX50mmX5mm thick) on vertical columns, and all around to support the side walls at the top.

## **9. Column:**

- 9.1. Four-side columns should be made with M.S. Angle 5" x 5" x ½" welded on all four corners with bed frame and top frame.
- 9.2. Lifting Eye Hook / Hole should be made on Lathe Machine as per load calculations.

## **10.Side Walls / Partition Walls:**

- 10.1. **Construction:** Wall frame for side walls and interior partition walls should be constructed of 1 ½" X 1 ½" X 1.63 mm thick MS Rectangular Tubes fixed at a center distance of 1200mm (4') both in longitudinal and vertical direction and welded rigidly to the building shell in case of side walls (and to the side walls in case of partition walls construction).
- 10.2. **Openings :** All openings for windows, doors, exhaust fan, A/C Lines, Power Lines, White/Black/Grey water lines etc. should be cut and framed with M.S. tubing. These openings should be made water proof.
- 10.3. **Exterior Wall:** The external skin of Porta Cabin should be made of MS Corrugated sheet of 2.0 mm thickness continuously welded with both ring beams.

- 10.4. **Insulation in Porta Cabins:** 2" thick THERMOBOARD® sheet of minimum density 38Kg/m<sup>3</sup> should be used as insulation sheet in between the MS tube framework in around the perimeter of side walls.
- 10.5. 1.5" thick THERMOBOARD® sheet of minimum density 35Kg/m<sup>3</sup> should be opted for interior partition walls. Partition Walls' Tubes, gaps and coincides must be injected by PU in order to minimize Noise travelling between rooms. Other options of minimizing of Noise Travelling might be considered.
- 10.6. **Covering in Dry Areas of Porta Cabins:** 11 mm thick plain MDF factory laminated decorative sheet is used as inner skin of walls and riveted/screwed to the MS Rectangular Tube frame. Wood Color Lamination is to be used for Living & Office Caravan/Porta Cabins.
- 10.7. **Beading in Dry Areas:** The wall joints between panels and corners are covered/sealed by aluminum beading of suitable size and shape (preferably Aluminum Tee with rubber lining).
- 10.8. **Skirting:** Floor and ceiling are properly trimmed with wall panels by wooden skirting.
- 10.9. **Covering in Wet Areas of Living and Office Porta Cabins:** In Toilet areas (bathrooms, ablutions, washrooms etc. of Living & Office Porta Cabins), 16 mm thick plain MDF sheet without lamination is fixed with screw/rivets to the steel structure frame. For water-proofing purpose, 2 mm thick water-resistant Melamine sheet is press-pasted over 16 mm thick plain MDF by cementex solution. Gaps between sheets in this area are line-filled by silicon solution & araldite. 24 gauge (0.63 mm) thick non-magnetic SS Sheets are to be pasted over 11mm thick MDF sheets as inner skin of side walls, Toilet-Cubicles- walls, shower-cubicles-walls, and partition-walls while ensuring water-proofing purpose. Columns of Toilet/Shower Cubicles are made from S.S. Tubing of 1 ½" X 1 ½".
- 10.10. **Beading in Wet Areas of Living and Office Porta Cabins:** The wall joints between panels and corners are covered/sealed by aluminum beading of suitable size and shape (preferably Aluminum Tee with rubber lining).

## **11. Roof & Ceiling:**

- 11.1. **Roof Top:** Roof top is built of M.S. plain sheet of 2.0 mm thickness welded with Top Ring Frame.
- 11.2. **Roof Transverse Slope:** An extra frame as curved purloin is made from M.S. Tubing of 38mmX38mmX1.2mm for roof Transverse slope of 3" in order to resist stay of water at roof.
- 11.3. **Ceiling Construction:** Ceiling frame is constructed of purloins made of 38mm x 38 mm x1.2mm (1 1/2" X 1 ½" X 18 G) thick MS Square tube is fixed at a center distance of 2" X 4" in longitudinal and horizontal direction and welded to the building shell (size may vary to suit requirements).
- 11.4. **Insulation:** 2" thick THERMOBOARD® sheet of minimum density 38Kg/m<sup>3</sup> should be used as insulation sheet in between the MS tube framework in around the perimeter of ceiling.



- 11.5. **Ceiling Covering:** 11mm thick MDF factory laminated decorative sheets (white color) are used for inner skin of ceiling and riveted/screwed to the MS Rectangular Tube frame in Porta Cabins.
- 11.6. **Beading:** The joints between panels and corners are covered by aluminum beading of suitable size and shape.

## **12. Surface Treatment & Preparation:**

- 12.1. All joints should be welded with deep penetration without welding flux, pin-holes and cracks.
- 12.2. Smooth finishing should be ensured by using mechanical means (grinding) or by wire-brush to remove any scale or rust prior to application of paint and Corrosion Protection should be assured before internal paneling work.
- 12.3. The outer surface should be protected from erosive action of wind, containing sand particles.
- 12.4. All the wooden work shall be termite treated prior to installation.

## **13. Flooring:**

- 13.1. **Construction:** The floor should be constructed by installing 1 ½" thick and 9" to 11" wide free from knots, and cracks etc. seasoned Kikar Wooden Plank over cross joints. These wooden Planks are further decked by 12-mm thick Marine Plywood Sheet (water resistant, moist resistant, factory-treated with termite-proof chemicals).
- 13.2. **Floor Covering in Dry Areas:** In dry areas, 12-mm decked plywood sheets are covered by pasting 2.0 mm thick commercial grade, heavy duty, smooth finish vinyl flooring having fiber layer, to endure high resistance and rough use.
- 13.3. **Floor Covering in Wet Areas of Living and Office Porta Cabins:** In Wet Living/Office Porta Cabins (where there is attached bath-room), the outer surface of plywood sheets facing bathroom is smooth finished with fiber mat and fiber tissue (double) coating on bath floor. This fiber coating is further treated with epoxy-paint-top. Then polka-dotted vinyl flooring is fixed.
- 13.4. **Flooring in Shower Area:** In shower area of Porta Cabin, S.S. based flooring along-with S.S. based Tub would serve as "Shower Tray" with pallets made of SS Tubing completely ensuring water-proofing.  
**Flooring in Toilet Cubicles:** In Toilet area of Porta Cabin, the outer surface of plywood sheets facing bathroom is smooth finished with fiber mat and fiber tissue (double) coating on all cubicle floor. This fiber coating is further treated with epoxy-paint-top.

## **14. Entrance Doors**

- 14.1. Porta Cabins should be provided with entrance doors of size  
Width= 36" X Height = 78" single-panel for large rooms &  
Width = 32" X Height = 78" single-panel for small room &  
Width = 48" X Height = 78" for Porta Cabins such as Dispensary (Dual Panel) where large-size based equipment need to be installed.

- 14.2. The doorframe should be made from 3 mm thick M.S. sheet with bending and 6 mm thick M.S. Angle. Door Frame is decked with SS Sheet at Bottom.
- 14.3. For safety in rainy season, main entrance Door-Panel (Leaf) should be constructed with MS Rectangular Tubing. Outer Skin of Door Panel will be made of M.S. Sheet. Inner skin of Door Panel will be made of plain MDF laminated with Decorative sheet of same color as of Room.
- 14.4. 2" thick THERMOBOARD® sheet of minimum density 38Kg/m<sup>3</sup> should be used as insulation sheet in between tube frame.
- 14.5. The door should be provided with weather stripping.
- 14.6. Door leaf should be fixed by good quality heavy duty continuous hinge in order to avoid expected relay and twistability of door.
- 14.7. Good quality Rubber seal lining should be fixed at side of door-frame where door-leaf would collide with frame in order to ensure collapsing-sound-proofing and/or gap-filling.
- 14.8. Good quality Rubber seal lining should be fixed at outside border of door-leaf in order to ensure gap-filling (if there remains any), dust-proofing and water-proofing particularly during rainy season.
- 14.9. Good quality Handle-Type-Door Lock, Yale Type, handles, and tower bolts should be used over entrance doors.
- 14.10. Good-quality Automatic Hydraulic Door Closer with provision to prevent door being slammed or being caught by the wind should be used.
- 14.11. Each Living Room-Entrance Door must be provided with Tower Bolt at inside.
- 14.12. All entrance doors should be provided with sunshade /capping covers 6" outside the Porta Cabin (also serve as Water Sheds for protection against rain water).
- 14.13. Water Sheds should be designed in such a manner that dew-water does not fall while entering into or leaving room.

## **15. Internal Doors**

- 15.1. Internal door – 36" X 78" (Single Panel) e.g. in Office cum Living Porta Cabin and Kitchen to Dining Partition Door.
- 15.2. They shall be made of semi-solid wooden frame 40mm thick. The outer & inner skin shall have 3mm thick veneer board. The doors should be provided with; (i) Cylindrical Door Lock, (ii) Door closer.

## **16. Bath Door**

- 16.1. Bath doors in Office cum Living Porta Cabin are of Flush type, PVC material based waterproofed, and having louver grill on bottom side.
- 16.2. The size of these doors is (Width = 27" x Height = 78").
- 16.3. SS Sheet is decked as Border of Door-Frame.

- 16.4. Door leaf is fixed by good quality continuous hinge in order to avoid expected relay and twistability of door.
- 16.5. Good quality locks, handles and door closures are to be used over bath doors.

## **17.Windows**

- 17.1. Porta Cabins should be provided with UPVC frame based windows.
- 17.2. Size of Window should be 36" X 36" in all Porta Cabins except 16 Men Porta Cabins where it should be 24"x24".
- 17.3. Fixed Windows should be installed in Office Porta Cabins.
- 17.4. Horizontal sliding based windows should be installed in Living Porta Cabins.
- 17.5. A sliding window is single glazed in two horizontally sliding panels (one fixed, other sliding) with outside metallic fly screen/mesh fixed in it. It should have locking arrangement.
- 17.6. All Windows should be fitted with weather proof seals.
- 17.7. The windows should have clear 5mm thick plain glass for vision.
- 17.8. Vanishing blinds or Rolling Blinds should be fixed inside the room over window frame with screws. Design and fabric of the material to be approved from OGDCL prior to fitting.
- 17.9. All windows should be provided with sunshade/ capping covers 6" outside the Porta Cabin and over each window. It will also serve as Water Shed for protection against rain water.

## **18.Power Supply System**

- 18.1. All electrical installation / wiring shall be carried out as per BS-7671.
- 18.2. All Porta Cabins should be fitted with standard electrical cables (Flexible, copper, PVC insulated, PVC sheathed).
- 18.3. All wiring in accordance with modular camp building practices.
- 18.4. All wirings and allied fixtures inside the Porta Cabin should be surface mounted and concealed inside fire resistant PVC-based rectangular conduit.
- 18.5. Porta Cabin distribution shall have 3-phase wiring with earth leakage breaker and neutral incoming with appropriately sized earthling.
- 18.6. All cables /wirings inside and outside Porta Cabin should be used of Pakistan Cable or Newage or FAST or equally reputed brand.
- 18.7. All the circuits will be breaker protected (MCCB/MCB/ELCB) and wired for 220/240 volts, 50 hertz services.
- 18.8. 16 mm<sup>2</sup> -- 4 core PVC copper conductor cable should be provided for feeding from OGDCL male/female connector to Porta Cabin Distribution Board.
- 18.9. 6 mm<sup>2</sup>, single core, PVC cable should be used for A.C. Power socket with 2.5 mm<sup>2</sup> single core PVC cable as earth continuity conductor.
- 18.10. 2.5 mm<sup>2</sup> single core PVC cable should be used for fridge and TV socket (universal socket circuit) with 1.5 mm<sup>2</sup> PVC cable as earth continuity conductor.

18.11. 1.5 mm<sup>2</sup> PVC cable should be used for light circuits from DB to switch board.

18.12. 1.5 mm<sup>2</sup> PVC cable should be used from switch board to light points.

Note: Above mentioned items should be installed in each cabin/partition of each Porta Cabin.

## **19. Electronic Fittings**

All Porta Cabin should be fitted with

- 19.1. Plugs/Receptacles, Earth Leakage Circuit Breakers (ELCB) of suitable ratings and with provisions for proper grounding(Electrical Earthings).
- 19.2. One industrial (male/female) plug & Socket, 5 pin, 32 Amp to 63 Amp, Heavy Duty, (CEE or MENEKES brand or equally reputed brand) for power supply to Porta Cabin from external connector.
- 19.3. Industrial plug & Socket, 3 pin, 16 Amp, Heavy Duty, CEE brand or equally reputed brand for electric heater & Light Pole.
- 19.4. A 14 SWG dust-proof Porta Cabin Power Distribution Board made of PVC body and acrylic sheet door on one side of Porta Cabin which would contain Circuit Breakers, RCCB, 4 pole, 40-63 A, .03 mA rating, ELCB, MCB of different rating as per requirement.
- 19.5. Circuit breaker should be of Hager (France) brand or equally reputed brand.
- 19.6. Earth connection points and all 3-pin sockets, DB's etc. shall be connected to it. Thereby all devices and fixtures to be linked with proper grounding system.
- 19.7. Electronic fittings which are surface mounted and concealed inside fire resistant PVC-based rectangular boxes.
- 19.8. Switches & sockets shall be of Clipsal (Australia) brand or equally reputed brand.
- 19.9. 3 pin, 15 Amps, E-15, E Series, Clipsal (Australia) brand or equally reputed brand Power plug for Air Conditioners.
- 19.10. 3 Pin, 13 Amps, E-15, E series, Clipsal (Australia) brand or equally reputed brand for Fridge etc.
- 19.11. On/Off switch, 2-4 gang, 10 A, E Series, Clipsal (Australia) brand or equally reputed brand for external / internal lights.
- 19.12. Provision of Power connection for computers/printer.
- 19.13. Provision of LAN and Telephone connection.
- 19.14. 02 Nos. Round Ceiling LED Light of minimum 15 W each with Metal Fixture & Glass Shade in each partition.
- 19.15. 01 Nos. Round Ceiling LED Light of minimum 15 W with Metal Fixture & Glass Shade in each Washroom.
- 19.16. One 1 ft. long single rod, 60 w, light fixture on top of mirror inside Washroom.
- 19.17. One strip light for each bed.
- 19.18. One buck head light Wall mounted, Weather-proof, and metal frame-based on external side of each room adjoining Entrance door.
- 19.19. One Emergency Light (Double Rod) should be fixed in each room.

- 19.20. Fixing of Bracket Fan, PVC body, -12" Dia (Pak, GFC, Royal, Climax or equally reputed brand) in Living, Office as per Layout
- 19.21. Electric exhaust fans (GFC, Pak or equally reputed brand), PVC body, dual function, 8" dia in each Washroom.
- 19.22. Packager of Porta Cabins will have to install wall-mounted Electric Instant Geyser (item 11 of SOR) with Safety Valve for each Bathroom placed over Metal Sheet at 10' side of Porta Cabin.

## **20. Installation of Air Conditioning System:**

- 20.1. DC inverter AC as per Annexure-3.
- 20.2. Packager of Porta Cabins will have to install Air Conditioner with 16 Amps circuit breaker in each partition of Porta Cabin as per its layout.
- 20.3. The outer units of the air conditioners should be installed outside the Porta Cabin over MS Angle based frame at 10' side of Porta Cabin. Outer units should have Hut-style Canopy based sunshade, to protect them from direct sun-light.
- 20.4. Supply and installation of refrigerant piping with expanded rubber foam insulation protected with aluminum foil wrapping tape and top with cotton tape.
- 20.5. Control wiring between internal and external units is in PVC cable.
- 20.6. Drain should be in the form of PVC soft pipe (1/2" dia).

## **21. Bath Room (Sanitary) Fittings and Installations:**

- 21.1. Geysers as per Annexure-4.
- 21.2. Western/Eastern style Toilet Bowl, white color, Porcelain base, one-piece, export-quality with flush tank in Senior Toilets (Porta, BOSCH or equally reputed brand)
- 21.3. Eastern style Toilet Bowl, white color, Porcelain base, one-piece, export-quality with flush tank in Staff Toilets (Porta, BOSCH or equally reputed brand)
- 21.4. White color, washbasin with pedestal (Porta, BOSCH or equally reputed brand).
- 21.5. Basin Mixture, CP (Chrome Plated) or white color, GROHE brand or equally reputed brand.
- 21.6. Acrylic Shower Tray 31" X31" in bathrooms attached to Living/Office rooms.
- 21.7. Each Shower Tray should be provided with post for standing over.
- 21.8. Shower Curtain with Metallic Rod around Shower Tray
- 21.9. Toilet paper dispenser
- 21.10. Wall Shower Mixture, CP (Chrome Plated) or white color, GROHE brand.
- 21.11. Tee cock, GROHE brand or equally reputed brand.
- 21.12. Muslim shower, CP/white color, GROHE brand or equally reputed brand.
- 21.13. Horizontal towel hanger, CP/White color, GROHE / Master brand or equally reputed brand.
- 21.14. Standard size Mirror, white color, plastic border, GROHE / Master/Sonex brand or equally reputed brand on each wash-basin.
- 21.15. Standard size Soap Dish, SS / white color, GROHE / Master/Sonex brand or equally reputed brand on each mirror.

- 21.16. Standard sizes cosmetic shelves, white color, GROHE /Master/Sonex brand or equally reputed brand on each mirror.
- 21.17. Electric exhaust fans (GFC, Pak or equally reputed brand), PVC body, dual function, 8" dia in each bathroom.

## **22.Plumbing / Sewerage**

- 22.1. Water supply connections, internal piping, elbows, water geyser fittings, other fittings etc. shall be of best quality PPRC (Dadex Brand or equally reputed brand).
- 22.2. Drain outs, floor drains, fittings etc. shall be of best quality UPVC material (Dadex Brand or equally reputed brand).
- 22.3. Slope of drain-outs should be specifically ensured so as to exclude any kind of choke or stay of Grey or Black Water.

## **23.Painting**

To make Porta Cabin structure rust-free and water-proof, it should be ensured that

- 23.1. 2 coats of red-oxide primer should be applied on all internal (e.g. Tubes, walls, channels etc.) and external exposed steel surfaces.
- 23.2. 2 coats of weather shield matt enamel paint (white) of ICI OR Nippon OR Berger brand or equally reputed brand should be applied on all external surfaces of walls including Doors, windows.
- 23.3. The top finishing of roof should be done with 2 coats of red oxide primer and 2 coats of epoxy paint for water proofing.
- 23.4. Border should be provided as per OGDCL style.
- 23.5. OGDCL Logo should be painted at front-40' wall and one side wall.

## **24.Fire & Safety Measures**

- 24.1. Smoke Detector with outside Fire Alarm System should be installed in each partition of each Porta Cabin.
- 24.2. Re-chargeable Fire Extinguisher (CO<sub>2</sub>) (Gloria brand or equally reputed brand) 02 Nos. must be fitted and secured outside each Porta Cabin.
- 24.3. Extraction fans shall have grills to avoid finger injuries.
- 24.4. Fittings, fixtures and other associated furniture should be secured in their positions to meet frequent movements of Porta Cabins.
- 24.5. One Emergency Light (Double Rod) should be fixed in each room.
- 24.6. The contractor will be responsible for grounding of the Porta Cabins at OGDCL site.
- 24.7. Water-proofing must be ensured while cross-checking Roof.
- 24.8. Water-proofing must be ensured from Window, Door, and such other openings. Any chance of seepage or leakage must be excluded.
- 24.9. Any chance of leakage of water must be excluded while doing plumbing or sewerage work.
- 24.10. Any chance of damage due to conventional negligence of short-circuiting or absence of neutral or breakers malfunctioning must be excluded.

## **25.Special requirements**

- 25.1. Recreation Halls Porta Cabins should have two doors on same side.
- 25.2. All Wooden Furniture (such as Beds, Wardrobes, Tables, Cabinets etc.) shall be made of Sheesham wood only. However, overhead wall- mounted cabinets or racks or upholstery or Book-shelves may be made of MDF with lamination as of room walls.
- 25.3. Good-quality Locks and Catchers must be provided with Wardrobes and Cabinets.
- 25.4. In Dual-style Bunk Beds, Gap between upper & lower Bed should be adjusted in such a manner that person's head sitting at lower bed may not hit upper-bed or any sharp edge.
- 25.5. There should be no odor of MDF Sheets due to lamination or Formaldehyde.
- 25.6. Square Type Plastic Body Exhaust Fan (10" size) should be installed in each Toilet and Shower Cubicle of Porta Cabin.
- 25.7. Both cold & hot water provisions should be made in Toilet Cubicles of Porta Cabin.
- 25.8. 2-Spreader Bars must be provided with Camp Kit.

## **26.Stage Inspections**

- 26.1. **First Inspection:** After Steel Material Procurement and before cutting.
- 26.2. **Second inspection:** On completion of skids, super structure/fixing of wooden battens and fixing of wooden planks on floor prior to Primer Work.
- 26.3. Raw sheesham Wood for wooden furniture and THERMOBOARD® sheet should be procured before second inspection and should be inspected during second inspection.
- 26.4. **Third Inspection:** After completion of interior and exterior walls and Carpentry Work but before painting and primer coat. The carpentry work should be in natural color (without any primer coat) during third inspection.
- 26.5. **Fourth Inspection:** After Completion and Prior to Mobilization.
- 26.6. **Fifth Inspection:** At OGDCL site after placing the Porta cabins at their foundations.

### **Note:**

1. In case of rejection of any material or work done due to any reasons not on part of OGDCL and the inspection official has to re-visit the bidder's premises outside Islamabad, bidder shall be liable to conduct this visit at his own expenses including return air tickets, pick and drop, boarding and lodging etc.
2. The contractor should be clear that OGDCL inspection will not be limited to above mentioned inspections only. OGDCL rep can visit for inspection at any time with intimation OR without intimation to contractor's site during manufacturing of OGDCL Porta Cabins.

## **27.Furniture and Accessories**

- 27.1. The contractor should supply & install the following furniture in each compartment of Residential Porta Cabins.
  - 27.1.1. Two single bed (each of size 6'-2-1/2" X 3'-2" with 9" back rest and two drawers under the bed) along with side tables (Size: 1½' x 1½' x 2') having 3 draws with locks. Side table should be covered with 5 mm glass of brown color clamped on it.
  - 27.1.2. Two wooden wardrobes 6' X 3' X 2' of sheesham frame and sheesham veneered.

27.1.3. Up board for Holy Quran 14" X 10"

27.2. The contractor will supply and install following items.

27.2.1. Supply and installation of following items with each bed.

- *Master Molty Foam* or equally reputed brand 5" thick. 01 No.
- *Made in Korea Blanket, size 220cmx200cm* 01 No.
- *Branded Ball Fiber Pillow* 02 No.
- *Branded Printed bed sheets along with pillow cover* 02 Nos.
- *Branded Bath size Towel white color* 02 Nos.
- *Bed Strip Light* 01 No.
- *Wall mounted bracket fan (Royal or Pak Fan or GFC)* 01 No.
- *Table Lamp* 01 No.

27.2.2. Supply and installation of following items in each compartment.

- *1.5 Ton DC invertor Split AC as per Annexure-3* 01 No.
- *Illumination Lights (Double Shade Tube lights)*
- *Centre Table: Sheesham Frame along with 8mm glass top size 3' x 2' x 2'* 01 No.
- *Work Table (Wooden)* 01 No.
- *Revolving Chair (Boss OR Master)* 01 No.
- *Mirror* 01 No.
- *Emergency Light* 01 No.
- *Foam Sofa chair large size with leatherite poshish.* 04 Nos.
- *Power Point/Gang Board (for light switches, computer sockets, TV socket etc.)*
- *Telephone connection* 01 No.
- *Ash tray* 01 No.
- *Up-board for Holy Quran along with Holy Quran* 01 No.
- *Prayer Mat* 01 No.
- *Brand new 2-Doors based wooden wardrobe* 02 Nos.
- *Wall Clock (Amms OR Champion or equally reputed brand)* 01 Nos.

27.2.3. Supply of following additional items in each compartments of Porta Cabins mentioned at Sr. No.1 and 2 of Annexure-2

- *Foam Sofa chair large size with leatherite poshish.* 04 Nos.

27.2.4. Supply and installation of following items with each Porta Cabin.

- *Earth bus Bar* 01 set
- *Light Pole* 02 Nos.
- *CO<sub>2</sub> Fire Extinguisher (Gloria Brand or equally reputed brand)* 02 Nos.
- *Supply of Power Cables (Pakistan or Newage or Fast cables or equally reputed brand) up to OGDCL panel*

27.2.5. Supply and Installation in the Mess/Dining Halls

- *1.5 Ton DC invertor Split AC as per Annexure-3* 03 No.
- *Wooden cabinets and Notice Board*



- *Equipped with Dining tables covered with tampered 12 mm glass and dining chairs for 24 persons*
- 27.2.6. Supply and installation For TV room
- *1.5 Ton DC invertor Split AC as per Annexure-3* 03 No.
  - *Equipped with Leatherite Poshish Sofas for 24 Persons*
  - *Wooden cabinets for television/electronics devices*
- 27.2.7. Supply and Installation For each Office
- *1.5 Ton DC invertor Split AC as per Annexure-3* 01 No.
  - *Working table of standard size along with revolving chair.* 01 Set
  - *Almirah for files integrated to computer table* 01 Nos.
  - *Book shelf* 01 Nos.
  - *Visiting chairs* 02 Nos.
- 27.2.8. Supply and Installation for Meeting Room
- *1.5 Ton DC invertor Split AC as per Annexure-3* 01 No.
  - *One Meeting table with 12 mm tampered glass cover*
  - *06 meeting chairs*
- 27.2.9. Supply and Installation For Each Dispensary
- *1.5 Ton DC invertor Split AC as per Annexure-3* 01 No.
  - *Wooden Stretcher with mini almirah under bed.* 01 Nos.
  - *Steps for Stretcher.* 01 Nos.
  - *Oxygen Cylinder (2' tall) with regulator and mask* 02 Nos.
  - *Foam Sofa chair with leatherite poshish.* 04 Nos.
- 27.2.10. Supply and Installation For Clinic
- *1.5 Ton DC invertor Split AC as per Annexure-3* 01 No.
  - *Working table of standard size along with revolving chair.* 01 Set
  - *Computer table* 01 Nos.
  - *Almirah for files* 01 Nos.
  - *Book shelf* 01 Nos.
  - *Chairs for Patients* 04 Nos.

## **28. Installation.**

- 28.1. The bidder will be responsible for loading, mobilization, unloading, installation and commissioning of Porta Cabins at OGDCL sites mentioned in Clause No.3.
- 28.2. Civil Infrastructure is already present at site. Contractor has just to unload the Porta cabins and place them at foundations.
- 28.3. All necessary checks are the responsibility of the contractor.

## **29. Requirements for Bid Submission**

- 29.1. Bidder must have proven experience of supplying & commissioning of at least 100 Porta cabins during last 10 years and having at least 5 years manufacturing experience of manufacturing Porta Cabins. Bidder has to submit proof of selling at least 100 Porta cabins in last 10 years for which it has to provide the copies of purchase orders along with Technical bid mentioning the following.
- i. Name of purchaser company
  - ii. Detail of project

- iii. Quantity of Porta Cabins Supplied
  - iv. Year of manufacturing
  - v. Bidder has also to provide certificate of satisfaction from Purchaser.
- 29.2. Bidder to submit details of its manufacturing facility mentioning address, contact No. and focal Person details with mobile number and email address in technical bid.
- 29.3. Bidder should be Sales Tax and NTN Registered. Copy of valid sales tax and NTN certificate to be provided with technical bid.
- 29.4. Only minimum PEC C-3 registered firms are acceptable. Bidder has to submit copy of valid requisite certificates.
- 29.5. **Only firms having minimum turnover of PKR 50 million per year for the last three years shall be eligible for qualification. Bidder has to provide its verified bank statement in original AND Financial Audit Reports for the years 2015-16, 2016-17 and 2017-18 duly vetted by the Chartered Accountant Firm with its technical bid for eligibility. Non-compliance will result in rejection of the bid.**
- 29.6. Bidder must have its own manufacturing Facility. Outsourcing of whole job is not allowed.
- 29.7. Bidder should not be black-listed from any Government, Semi-Government Organization. Bidder should have to give an affidavit in this regard.
- 29.8. In the technical bid, bidders should specify the brands of all items mentioned in this TOR which are to be installed in Porta Cabins.

### **30. Terms & Conditions**

- 30.1. Bidder has to confirm that OGDCL has the right to visit its facilities at any working day with or without prior information to check the status of the consignment.
- 30.2. Bidder has to confirm that rectification OR non-compliance to OGDCL Tender clauses pointed out by OGDCL at any stage before or during commissioning will be rectified/complied by the contractor at its own cost.
- 30.3. All kind of arrangements for Loading, Transportation, Off-loading and placement on foundations at OGDCL Site would be the responsibility of Contractor.
- 30.4. All kind of Installations required for Porta Cabins (e.g. DBs, Cable, sewerage connections etc.) at OGDCL Site will be the responsibility of Contractor. OGDCL will provide only Power Supply up to Camp's Main Electrical Distribution Board.
- 30.5. Connection of each Porta Cabin having washroom with OGDCL sewerage line will be the responsibility of the contractor.
- 30.6. The bidder will give guarantee (on its letter head) for continuous operation of all equipment installed in Porta cabins for a period of one year starting from the date of successful commissioning date of the Porta cabins.
- 30.7. In case of joint venture, copy of contract on judiciary stamp paper should be provided in technical bid clearly mentioning the lead partner. The lead partner should fulfill "Requirements for bid submission" from para 29.1 to 29.8 above.

### **31. Payment Terms**

- 31.1. 10% Mobilization advance against Bank Guarantee which will be adjusted proportionately from each Partial Payment Invoice(s).
- 31.2. 90% payment after delivery with partial delivery partial payment at OGDCL Site (Nashpa Oil Field and Dhok Hussain Field) after successful delivery, inspection, installation and commissioning at site. Partial Delivery should not be less than ten Porta Cabins.

## Annexure-2

### Detail of Porta Cabins

Detail of Porta Cabins Required is as under.

<b>Sr. No</b>	<b>Type of Porta Cabin</b>	<b>Qty Required</b>
<b>1</b>	Porta Cabins (Office cum Residential), 40'x 10' with two compartments. One Compartment with attached bath fitted with Geyser and to be furnished as living room with single bed. The other compartment to be furnished as office. Both compartments to be furnished with sofa chairs 4 Nos., center table, writing table, table lamp, revolving chair, wardrobe and fitted with AC 1.5 Ton as minimum. (For FM and reliever to FM Nashpa) Specifications as per Annexure-1,2,3 & 4.	02
<b>2</b>	Porta Cabins (Residential), 40'x 10' portioned in two compartments and to be furnished with living arrangements of two person per compartment. Both compartments to be furnished with sofa chairs 4 Nos., center table, writing table, table lamp, revolving chair, wardrobe and fitted with AC 1.5 Ton as minimum. Each compartment should have attached washroom fitted with Geyser. (For Dhok Hussain FM and reliever). Specifications as per Annexure-1, 2, 3 & 4.	01
<b>3</b>	Porta Cabins (Residential), 40'x 10' portioned in three compartments and to be furnished with living arrangements of one person per compartment with center table, writing table, lamp, revolving chair, wardrobe and fitted with AC 1.5 Ton as minimum. Each compartment should have attached washroom fitted with Geyser. (For Staff House A of Nashpa guests). Specifications as per Annexure-1, 2, 3 & 4.	02
<b>4</b>	Porta Cabins (Residential), 40'x 10' portioned in three compartments and to be furnished with living arrangements of two person per compartment with center table, writing table, lamp, revolving chair, wardrobe fitted with AC 1.5 Ton as minimum. Each compartment should have attached washroom fitted with Geyser. (18 for Staff House A of Nashpa and 3 for Staff House A of Dhok Hussain) Specifications as per Annexure-1, 2, 3 & 4.	21
<b>5</b>	Porta Cabins (Residential), 40'x 10' portioned in four compartments and to be furnished with living arrangements of two person per compartment with center table, writing table, lamp, revolving chair, wardrobe fitted with AC 1.5 Ton as minimum. (13 for Staff House B of Nashpa and 7 for Staff House B of Dhok Hussain ) Specifications as per Annexure-1, 2 & 3.	20
<b>6</b>	Porta Cabins (Residential), 40'x 10' portioned in four compartments and to be furnished with living arrangements of four person per compartment with center table, writing table, lamp, revolving chair, wardrobe fitted with AC 1.5 Ton as minimum. ( One for Staff House A Internees/Service Company of Nashpa, Sixteen for Staff House C of Nashpsa, Five for Staff House C1 of Nashpa, Four for FC Camp of Nashpa and Seven for Staff House C of Dhok Hussain) Specifications as per Annexure-1, 2 & 3.	33
<b>7</b>	Porta Cabin (Office cum clinic), 40'x 10' portioned in two compartments both fitted with AC 1.5 Ton. One to be furnished as clinic for doctor with attached washroom fitted with Geyser. Other to be furnished as dispensary with medicines rack. Specifications as per Annexure-1, 2, 3 & 4.	02
<b>8</b>	Porta Cabins (Dining Room), 40'x 10' furnished with necessary furniture fitted with 03 Nos AC 1.5 Ton, Capacity 40 persons as minimum (One each for Staff House A, Staff House A guests, Staff House B, Staff House C and Staff House C1 of Nashpa). Specifications as per Annexure-1, 2 & 3.	05

<b>9</b>	Porta Cabins (Dining Room), 20'x 10' furnished with necessary furniture fitted with 03 Nos AC 1.5 Ton, Capacity 40 persons as minimum (For FC Camp of Nashpa) Specifications as per Annexure-1, 2 & 3.	01
<b>10</b>	Porta Cabins (TV Room), 40'x 10' furnished with necessary furniture fitted with 03 Nos AC 1.5 Ton, Capacity 40 persons as minimum (One each for Staff House A, Staff House B, Staff House C and Staff House C1 of Nashpa). Specifications as per Annexure-1, 2 & 3.	04
<b>11</b>	Porta Cabins (Dining Room cum TV Room), 40'x 10' furnished with necessary furniture fitted with 03 Nos AC 1.5 Ton, Capacity 40 persons as minimum. (For Staff House A, B and C of Dhok Hussain), Specifications as per Annexure-1, 2 & 3.	03
<b>12</b>	Porta Cabin (Office), 40'x 10' portioned in two offices each with attached bathroom fitted with Geysers. One to be furnished as executive office and other to be furnished as meeting room. Both fitted with AC 1.5 Ton (For FM of Dhok Hussain). Specifications as per Annexure-1, 2, 3 & 4.	01
<b>13</b>	Porta Cabin (Office), 40'x 10' portioned in three offices each fitted with AC 1.5 Ton. Each office to be furnished with two file cabinets, two office tables, two revolving chairs, four visitor chairs as minimum. Specifications as per Annexure-1, 2 & 3.	04
	<b>Total</b>	<b>99</b>

**TOR for Split AC****SPECIFICATIONS:**

Split AC, DC Inverter (Heat & Cool), Wall Mounted, Capacity 1.5 Ton (Minimum), LED Display, Color White/Gray/Mirror. Brand New & Unused.

**PREFERABLE BRANDS:**

i) Dawlance (ii) PEL (iii) Haier (iv) Gree OR equally reputed brand

**COMPLIANCE BY BIDDER:**

Sr. #	Clause	Compliance by Bidder
1	Quoted AC Brand?	
2	Quoted AC Made in?	
3	Quoted AC Model No.	
4	Quoted AC Energy Efficiency Class	
5	Quoted AC Warranty Period for Parts and Services	
6	Quoted AC Warranty Period for Compressor	
7	Bidder to confirm that warranty period will start from successful commissioning date of AC's at site.	
8	Bidder to confirm that he will be responsible for any warranty/guarantee claims during the warranty period.	
9	Bidder to confirm that it will have to arrange for initial inspection of AC's at its warehouse before installation (if contract awarded).	
10	Bidder to confirm that final inspection of AC's will be at OGDCL site.	
11	Manufacturer's printed brochure of the quoted AC's along with specifications to be attached with the technical bid.	

**TOR for Electric Geyser****SPECIFICATIONS:**

Electric Geyser, Capacity 50 Liters (Minimum), Wall Mounted, Analog/Digital Display, Brand New & Unused.

**PREFERABLE BRANDS**

(i) Canon, (ii) Super Asia (iii) Boss (iv) Orient (v) Delite OR equally reputed brand

**COMPLIANCE BY BIDDER:**

<b>Sr. #</b>	<b>Clause</b>	<b>Compliance by Bidder</b>
1	Quoted Geyser Brand	
2	Quoted Geyser Made in ?	
3	Quoted Geyser Model No.	
4	Quoted Geyser Warranty Period for Parts and Services	
5	Bidder to confirm that warranty period will start from successful commissioning date of Geysers at site.	
6	Bidder to confirm that its firm will be responsible for any warranty/guarantee claims during the warranty period.	
7	Bidder to confirm that it will have to arrange for initial inspection of Geysers at its warehouse before installation (if contract awarded).	
8	Bidder to confirm that final inspection of Geysers will be at OGDCL site.	
9	Manufacturer's printed brochure of the quoted Geysers along with specifications to be attached with the technical bid.	