



पूर्वी क्षेत्र के लिए भारतीय कृषि अनुसंधान परिषद का अनुसंधान परिसर  
**ICAR RESEARCH COMPLEX FOR EASTERN REGION**  
(भारतीय कृषि अनुसंधान परिषद INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

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ICAR Parisar, P/o - Bihar Veterinary Collage, Patna – 800 014 (Bihar), INDIA  
फोन सं. Phone No. (0612) 2228805, **2228882\*104**, फैक्स सं. Fax No.2223956, **Website: icarrcer.org**

F.No.IRCER/08-09/P&S-21(J)/Vehicle Washing Centre/

**U.P.C.**  
Dated: 17.11.2008

To,  
M/s

**Sub: Quotation for “construction of vehicle washing center at main complex” - reg.**

**Sir,**

ICAR Research Complex for Eastern Region, Patna, a unit of Indian Council of Agriculture Research, Ministry of Agriculture, Govt. of India, invites quotations for **“construction of vehicle washing center at Main Complex Farm”** of this institute from the reputed firms/contractors.

Accordingly it is requested to quote your lowest rates keeping in view of the following terms and conditions:-

1. The offered rates should reach this office on or before **02.12.2008 up to 5.00 PM** at the latest. The quotation received thereafter will not be considered. The quotations so received will be opened on **next working day**.
2. No advance payment will be made but payment is assured within 10 days from the date of completion of ordered work satisfactorily and submission of your bill subject to the condition that all the required formalities are done before submission of bill.
3. The proposed works may be increased or decreased at the discretion of the Director, ICAR Research Complex for E.R. Patna, while placing the work order.
4. The rates quoted for work at **ICAR-RCER, Patna** should be inclusive of all charges such as Service Tax etc. if any.
5. The works will have to be **completed within 45 days after issuing the work order**. In case of failure to execute the work within the specified date/period, **penalty @ 2.00% per month** will be charged.
6. All the documents such as Service Tax No., Registration No. of firm, Income Tax Clearance Certificate, Labour License, past experience etc. are must which should be enclosed with the quotation failing which the quotation will not be considered.

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7. **Security Deposit @ 5% of the cost of the work value is to be deposited after issuing the work order** in the shape of Demand Draft drawn in favour of “ICAR Unit: ICAR-RCER, Patna”, *which will be refunded after satisfactory completion of warranty period / 01 year.*
8. Conditional offers are liable to be rejected summarily.
9. Kindly note that lowest offer should not be mandatory to accept on the part of this institute.
10. The Director, ICAR Research Complex for Eastern Region, Patna reserves all rights to accept or reject any of the quotations without assigning any reasons thereof.

The quotations should be addressed to the **Administrative Officer, ICAR Research Complex for Eastern Region, ICAR Parisar, P.O.: Bihar Veterinary College, Patna – 800 014 (Bihar)** in a sealed cover superscribed quotation for “**construction of vehicle washing center at main complex**”.

Yours faithfully,

(G.F. Shahir)  
Administrative Officer

**Rates required for construction of vehicle washing center  
at main complex (Size: 38 ft x 27 ½ ft)**

Sl No	Name of work	Quantity	Rate	Amount (Rs.)
1.	Making 25 cm (10”) dia. bore up to 4 m depths with hand auger of approved quality etc. all complete the job as per specification, drawing and direction of Engineer /Engineer Quantity: Nos of pile = 38, 34 Nos x 4 ft = 136 rft, 04 Nos x 8 ft = 32 rft, <b>Total = 168 rft</b>	<b>168 rft</b>		
2.	Providing RCC (1:2:4) at required depth of foundation (Piling) with approved quality of stone chips and sand. Including mixing, placing and curing etc. excluding reinforcement all complete the job as per specification and direction of Incharge/Engineer. Quantity: RCC (1:2:4) for piling = $22/7 \times (5''/12) \times (5''/12) \times \{(8'-0'' \times 4\text{Nos}) + (4'-0'' \times 34\text{Nos})\} = 22/7 \times (5''/12) \times (5''/12) \times 168 \text{ rft} = \mathbf{91.66 \text{ cft}}$	<b>91.66 cft</b>		

3.	<p>Providing RCC (1:2:4) at GL with approved quality of stone chips and sand in capping beam (foundation beam).including placing of materials, carriage, shuttering and curing etc. excluding reinforcement all complete the job as per specification and direction of Incharge/Engineer</p> <p>Quantity :</p> <p><b>RCC (1:2:4) foundation beam: 10"x 6"</b>                  Long wall: 2Nos x 38' x 10" x 6" = 31.66 cft                  Short wall: 3Nos x 27'-6"x 10" x 6" = 34.37 cft                  Ramp wall = 4Nos x 30' x 10" x 6" = 50 cft                  4Nos x 3'-6"x 10" x 6" = 5.83 cft                  Service room walls = 4Nos x 10' x 10" x 6" = 16.66 cft                  Total = 138.52 cft                  Deductions:                  (-) Column = 38Nos x 10" x 10" x 6" = 13.19 cft  <b>Net Quantity = 138.52 – 13.19 = 125.33 cft</b></p>	<b>125.33 cft</b>		
4.	<p>Providing RCC (1:2:4) in stiffeners (column) with approved quality of stone chips and sand including centering, shuttering, mixing, placing &amp; curing etc. excluding reinforcement All complete the job as per specification and direction of In-charge/Engineer,</p> <p>Quantity:                  (38Nos x 2' + 4Nos x 10' + 8 Nos x 2½' + 4Nos x 6' + 4Nos x 1 ¼') x 10" x 10" = (76' + 40' + 20' + 24' + 5') x 10" x 10"                  = 165' x 10" x 10" = 114.58 cft  <b>Total = 114.58 cft</b></p>	<b>114.58 cft</b>		
5.	<p>Providing 75 designation brick with mortar (1:6) in foundation and plinth with approved quality of brick and sand etc. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity: Brick work: GL to PL                  Long wall: 2Nos x 38' x 1'-3" x 10" = 79.16 cft                  Short wall: 3Nos x 27'-6" x 1'-3" x 10" = 85.93 cft                  Ramp wall = 4Nos x 30' x 1'-3" x 10" = 125cft                  4Nos x 3'-6" x 1'-3" x 10" = 14.58cft                  Service room walls = 4Nos x 10' x 1'-3" x 10" = 41.66 cft                  Brick work for ramp from road to vehicle washing place                  2Nos x ½ (10' x 10" x 1.5') = 12.5 cft                  Total = 358.83 cft                  Deductions: (-) Column =                  38Nos x 10" x 10" x 1'-3" = 32.98 cft                  Net Quantity = 358.83 cft - 32.98 cft  <b>Total = 325.85 cft</b></p>	<b>325.85 cft</b>		
6.	<p>Providing DPC at PL with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity: 3" DPC at PL =                  Long wall: 2Nos x 38' x 3" x 10" = 15.83 cft                  Short wall: 3Nos x 27'-6" x 3" x 10" = 17.18 cft                  Ramp wall = 4Nos x 30' x 3" x 10" = 25 cft                  4Nos x 3'-6" x 3" x 10" = 2.91 cft                  Service room walls = 4Nos x 10' x 3" x 10" = 8.33 cft                  Total = 69.25 cft                  Deductions: (-) Column = 38Nos x 10" x 10" x 3" = 6.59cft</p>	<b>62.66 cft</b>		

	Net Quantity = 69.25cft – 6.59 cft <b>Total = 62.66 cft</b>			
7.	<p>Providing coarse clean sand/ Ganga sand filling in foundation and plinth including watering and reaming in layers etc. All complete the job as per specification and direction of In charge/Engineer.</p> <p>Quantity: <math>(38'-0'' \times 27'-6'') \times 1'-9'' = 1828.75</math> cft  Ramp = 2Nos x <math>(16' \times 3'-6'') \times 2'-6'' + 2\text{Nos } (\frac{1}{2} \times 14' - 0'' \times 3'-6'') \times 2'-6'' = 280 + 122.5 = 402.5</math> cft  Ramp from road to vehicle washing place = <math>\frac{1}{2} (10' \times 1.5') \times 27'-6'' = 206.25</math> cft  Total = 2437.50 cft</p> <p><b>Deduction (-)</b>  Foundation beam = 125.33 cft  Column = 62.5 cft  Brick work up to PL = 325.85 cft  Total = 513.68 cft  Net quantity = 2437.50 cft - 513.68 cft = <b>1923.82 cft</b> .</p>	<b>1923.82 cft</b>		
8.	<p>Providing RCC (1:2:4) <b>beam at lintel</b> level with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity:  RCC Beam at lintel level: 4Nos x <math>14'-0'' = 56</math> rft  Beam size: <math>10'' \times 12''</math>, 56 rft x <math>10'' \times 12'' = 46.66</math> cft  Deduction: (-)  Column = 4Nos x <math>10'' \times 10'' \times 12'' = 2.77</math> cft  <b>Net quantity:</b> 46.66 cft - 2.77 cft = <b>43.89 cft</b></p>	<b>43.89 cft</b>		
9.	<p>Providing designation 75A brick work in 1:6 superstructures with approved quality of bricks and sand including screening the sand, scaffolding &amp; racking out joints etc. all completes the job as per specification and direction of Incharge/Engineer.</p> <p>Quantity –  Service room: 4No x <math>10'-0'' \times 10'-0'' \times 10'' = 333.33</math> cft  Ramp: 4Nos x <math>16'-0'' \times 3'-0'' \times 10'' = 160</math> cft  4Nos x <math>\frac{1}{2} (14'-0'' \times 3'-0'') \times 10'' = 70</math> cft  4Nos x <math>\{(3'-6'') - (1'-8'')\} \times 3'-0'' \times 10'' = 18.3</math> cft  2Nos x <math>3'-6'' \times 3'-6'' \times 10'' = 40.83</math> cft  Total = 622.46 cft</p> <p><b>Deductions:</b>  <b>Service room:</b>  Stiffeners: 4Nos x <math>10'' \times 10'' \times 10'-0'' = 27.77</math> cft  Beam: 4No x <math>\{(10'-0'') - (1'-8'')\} \times 10'' \times 12'' = 27.76</math> cft  Ramp: Stiffeners: <math>(12 + 4/2)\text{Nos} \times 10'' \times 10'' \times 3'-0'' = 29.16</math> cft  Door: <math>6'-6'' \times 3'-6'' \times 10'' = 18.95</math> cft  Windows = 2Nos x <math>(4'-6'' \times 3'-0'') \times 10'' = 22.5</math> cft  Total deductions: 126.14 cft  <b>Net quantity:</b> 622.46 – 126.14 = <b>496.32cft</b></p>	<b>496.32 cft</b>		

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10.	<p>Providing RCC (1:2:4) at lintel /door level as DPC with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity: and ramps 3" DPC at lintel / door level =</p> <p>Service room: 4Nosx {(10'-0") - (1'-8") }x 0'-3"x 10" = 6.94 cft</p> <p>Ramps: 4Nosx {(16'-0") - (2'-6") }x 0'-3"x 10" = 11.25 cft 4Nosx {(14'-0") - (0'-10") }x 0'-3"x 10" = 10.97cft 4Nosx {(3'-6") - (1'-8") }x 0'-3"x 10" = 1.52 cft</p> <p><b>Total = 30.68 cft</b></p>	30.68 cft		
11.	<p>Providing RCC (1:2:4) roof slab as lintel on service room with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity: Roof area: (10'+2'+2') x (10'+2'+2') = 14'x14' = 196 sft Thickness of slab = 4" Net quantity = 196 sft x4" = <b>65.33 cft</b></p>	65.33 cft		
12.	<p>Providing designation 75 Brick flat soling in floor joint filled properly with local sand. All complete the job as per specification and direction of In charge/Engineer.</p> <p>Area: Floor: (38'-0) - (2'-6") x ( 27'-6") - (1'-8") - (2Nos x 30'x3.5') = 916.96 - 210 = 706.96 sft Ramp: 2Nos{(30'-0") - (2'-6") x (3'-6") - (1'-8") } = 100.65 sft Brick flat soling for ramp from road to vehicle washing place : (27'-6") - (1'-8") x 10'-0" = 258.3 sft Total = 706.96+100.65 + 258.3 = <b>1065.91sft</b></p>	807.61 sft		
13.	<p>Providing 50mm thick cement concrete (PCC 1:2:4) in floor with proper slope and upper surface crust finish, including curing etc. All complete jobs as per specification and direction of In-charge/Engineer.</p> <p>Quantity = Floor area: (38'x 27.5') - (2Nosx30'x3.5') = 835 sft Thickness of PCC floor = 50 mm (2") Quantity = 835 sft x2" = <b>139.16 cft</b></p>	139.16 cft		
14.	<p>Providing RCC (1:2:4) floor (75mm thick) on ramps with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer.</p> <p>Quantity: Ramp area = 2Nos {(16'-0") - (1'-8") } x {(3'-6") - (1'-8") } = 52.44 sft = 2Nos {(14'-0") - (0'-10") } x {(3'-6") - (1'-8") } = 43.98 sft Total = 96.42 sft Thickness of RCC floor = 3"(75mm) <b>96.42 sft x 3" = 24.10 cft</b></p>	24.10 cft		

<p><b>15.</b></p>	<p>Providing 12mm thick cement plaster (1:6) with approved quality of sand including screening mixing and curing etc. All complete the job as per specification and direction of Engineer/Engineer. Quantity: <b>Service room</b> Outside &amp; inside wall: 4Nos 10' x 10' = <b>400 sft</b> 4Nos x (10'-0")-(1'-8") x 10'-0" = <b>333.2 sft</b> <b>Floor &amp; ceiling:</b> (10'-0")-(1'-8") x (10'-0")-(1'-8") = <b>69.38 sft</b> 14'-0" x 14'-0" = <b>196 sft</b> <b>Ramps:</b> 2Nos (16'-0" x 3'-6") + 2Nos (14'-0" x 3'-6") + 4Nos (16'-0" x 2'-6") + 4Nos x ½ (14'-0" x 2'-6") + 2Nos (6.83' x 5.16') = <b>510.48 sft</b> Floor = (38'-0" x 27'-6") - 69.38 sft - 2Nos x 30' x 3'-6" = <b>696.24 sft</b> <b>Wall from GL to PL</b> = 2Nos x 38' x 1.5' + 27.5' x 1.5' = 155.25 sft <b>Total = 2360.55 sft</b></p>	<p><b>2360.55 sft</b></p>		
<p><b>16.</b></p>	<p>Providing 1.50mm cement punning including carriage of water with all leads and lift etc .all complete the job as per specification and direction of the I/E. Area: Service room's floor: (10'-0")-(1'-8") x (10'-0")-(1'-8") = <b>69.38 sft</b> Floor and channels: Floor = (38'-0" x 27'-6") - 69.38 sft - 2Nos x 30' x 3'-6" = <b>696.24 sft</b> <b>Total = 765.62 sft</b></p>	<p><b>765.62 sft</b></p>		
<p><b>17.</b></p>	<p>Supplying, fitting and fixing door &amp; window with grill (M S Flat 25x5mm) double leaf door framing made of M S Angle 40x40x5mm, 35x35x5mm and MS Sheet 20 G and double leaf glass pans window framing made of M S Z Angle 25x25x3, M S Tee 25x3mm And M S Flat 50x3mm with including locking arrangement, window stopper and handle etc. All complete the job as per design, specification and direction of Incharge/Engineer. Door size: 1Nos 6.5' x 3'-6" = 22.75 sft Window size: 4.5' x 3' x 2Nos = 27 sft Weight 3.5kg/sft for door = 3.5 x 22.75 = 79.62 kg Weight 3.0kg/sft for window = 3.0 x 27 = 81kg <b>Total = 160.62 kg</b></p>	<p><b>160.62 kg</b></p>		
<p><b>18.</b></p>	<p>Providing two coat of Snow cem of approved shed make over a coat of cement primer on new surface including cost of cleaning the surface etc. all complete the job as per specification and direction of I/E. Area = Service room Outside &amp; inside wall: 4Nos 10' x 10' = <b>400 sft</b> 4Nos x (10'-0")-(1'-8") x 10'-0" = <b>333.2 sft</b> Ceiling: 14'-0" x 14'-0" = <b>196 sft</b> Wall from GL to PL = 2Nos x 38' x 1.5' + 27.5' x 1.5' = <b>155.25 sft</b> Ramp side walls: 4Nos (16'-0" x 2'-6") + 4Nos x ½ (14'-0" x 2'-6") + 2Nos (6.83' x 5.16') = <b>300.48 sft</b> <b>Total = 1384.93 sft</b></p>	<p><b>1384.93 sft</b></p>		

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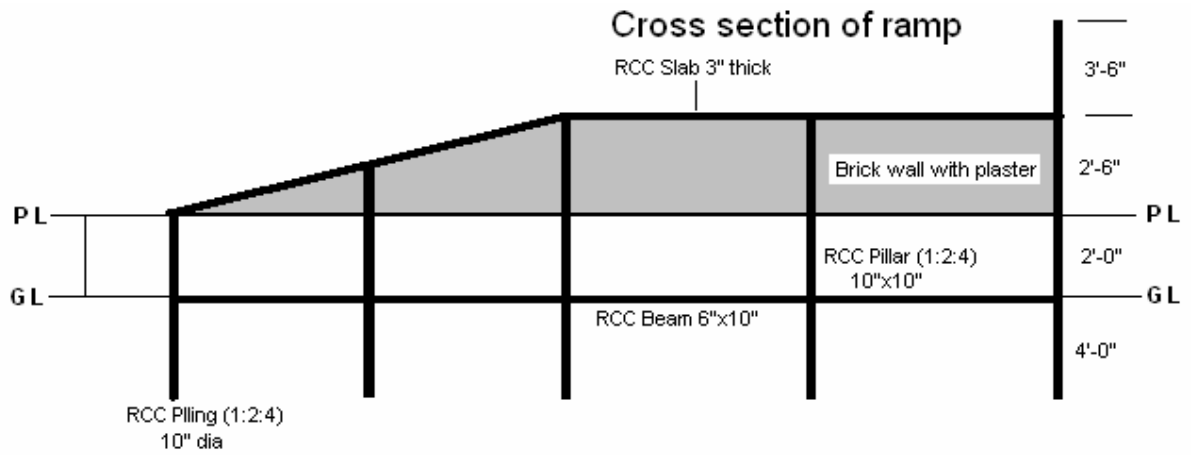
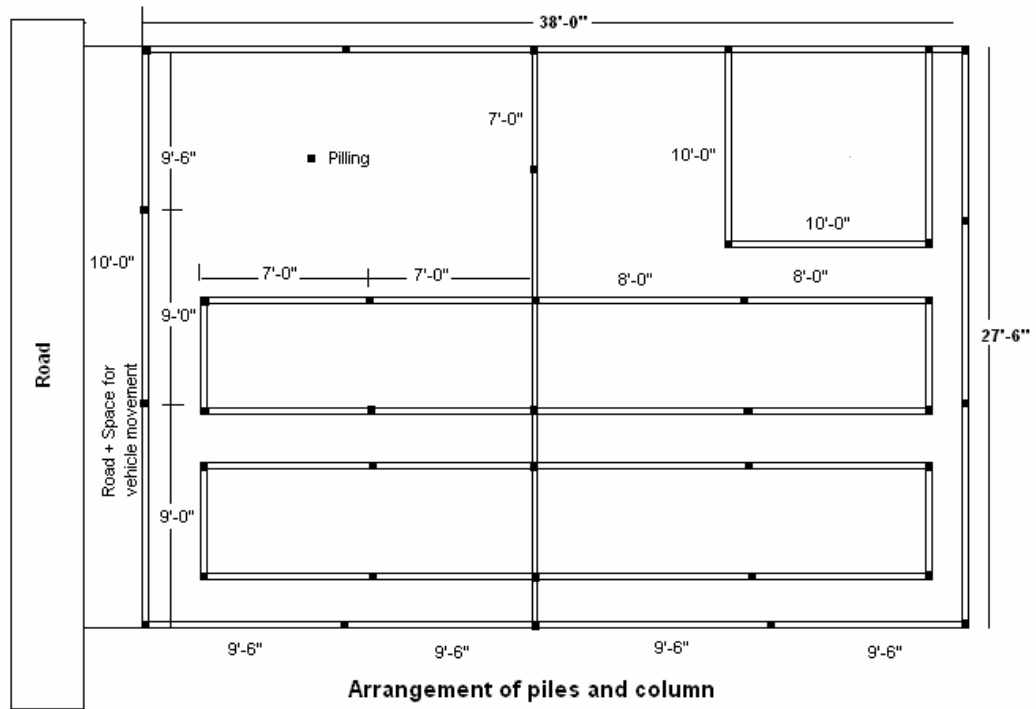
19.	Providing two coat of ready mixed paint over a coat of metal primer of approved shed and make over new surface, including preparing the surface etc. all complete the job as per specification and direction of I/E. Painting area: Door: 1Nox 6.5'x3.5'x both side = 45.5 sft Windows: 2Nosx 4.5'x3'x both side = 54 sft Total = 99.5 sft	99.5 sft		
20.	Providing reinforcement for RCC including straightening, cutting, bending, placing in position and binding all complete the job as per direction of In charge/Engineer. Quantity = a) <b>Piling:</b> (10mm dia twisted M S bar x 4Nos) = 91.66 cft @ 2.00 kg/cft = <b>183.32 kg</b> b) <b>Foundation beam:</b> (10mm dia twisted M S bar x 4Nos) = 125.33 cft. @ 2.00 kg/cft = <b>250.66 kg</b> c) <b>Column:</b> (10mm dia twisted M S bar x 4Nos) = 114.58 cft @ 2.00 kg/cft = <b>229.16 kg</b> d) <b>DPC at PL &amp; lintel level:</b> (8mm dia twisted M S bar x 2Nos) = 62.66 cft + 30.68 cft = 93.34 cft @ 1.5 kg/cft = <b>140.01 kg</b> e) <b>Beam at lintel level:</b> (10mm dia twisted M S bar x 4Nos) = 43.89 cft @ 2.00 kg/cft = <b>87.78 kg</b> f) <b>RCC roof:</b> (8mm dia twisted M S bar) = 65.33 cft @ 2.25kg/cft = <b>146.99 kg</b> g) <b>RCC Floor (Ramp):</b> (8mm dia twisted M S bar) = 24.10 cft @ 2.25kg/cft = <b>54.22 kg</b> <b>Total = 1092.14 kg</b>	1092.14 kg		
			<b>Total Rs</b>	

\* Note: Rates must be quoted in digit and word also.

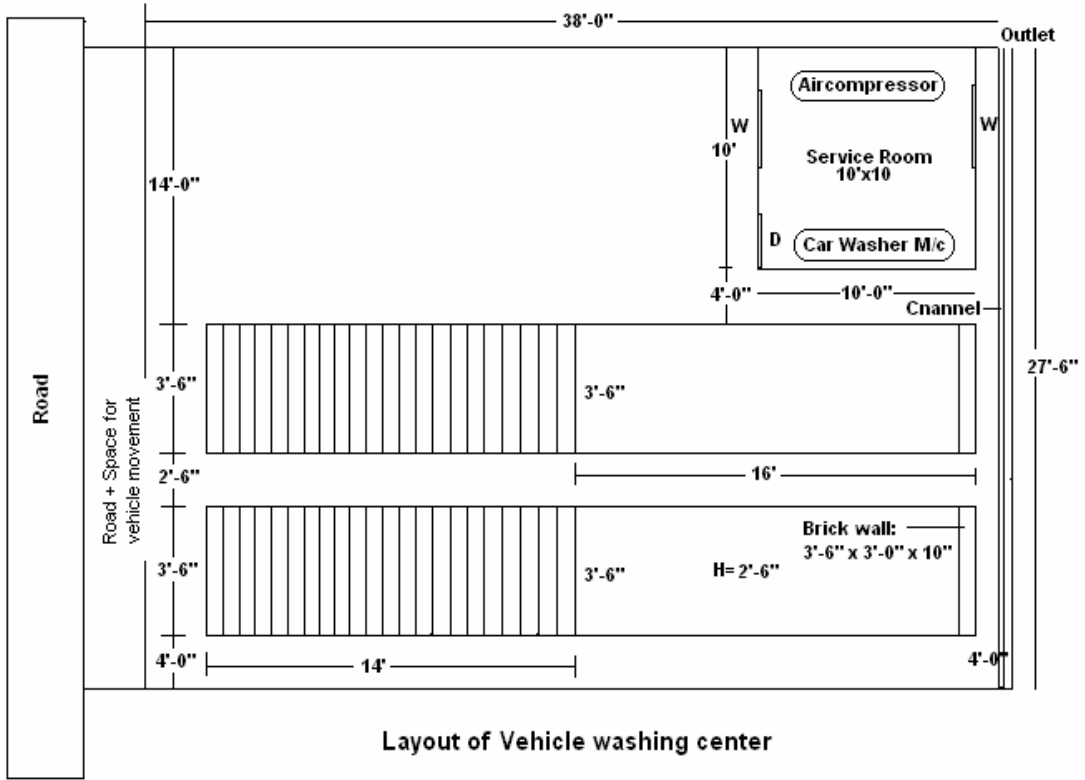
(Authorize Signature of Firm with seal and date)

Note: Drawings for construction are attached herewith as per page sr. No.08 to 09.

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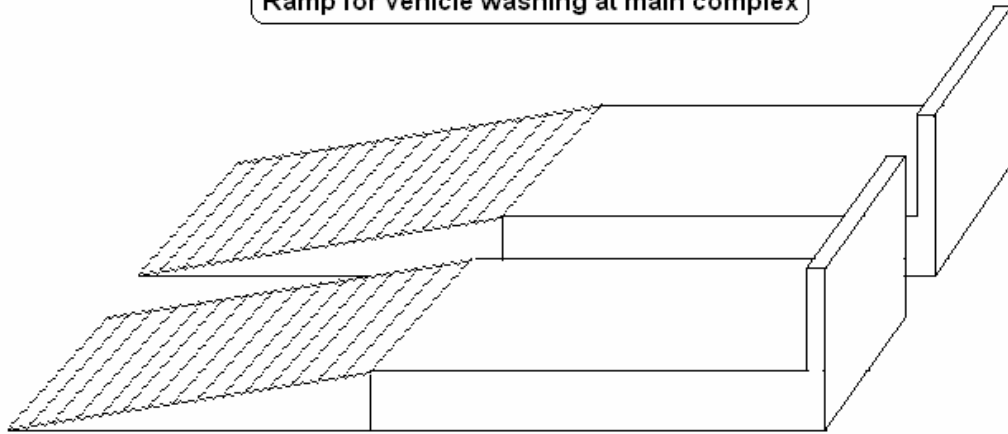


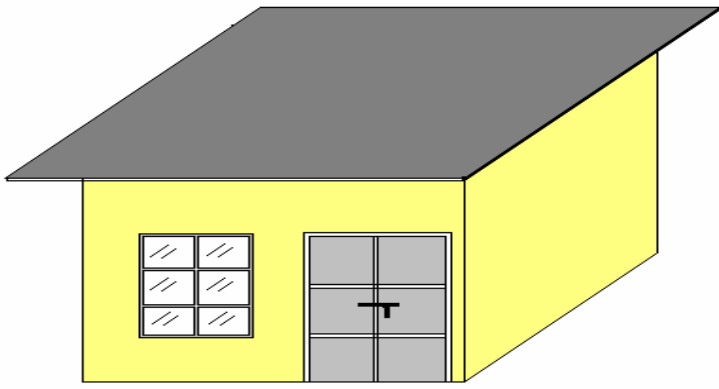
# PLAN



Layout of Vehicle washing center

Ramp for vehicle washing at main complex





**Service Room**