



राष्ट्रीयबीजनिगमलिमिटेड  
(भारतसरकारकाउपक्रम-मिनिरत्नकम्पनी)  
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NATIONAL SEEDS CORPORATION LIMITED

(A Government of India Undertaking)  
(CIN : U74899DL1963PLC003913)

**Central State Farm, Suratgarh**

PHONES : 01509-220084,220068

**"An ISO 9001:2008 & ISO 14001:2004 Company"**

e-mail – csfsuratgarh@rediffmail.com

Website: www.indiaseeds.com

No. CSF/SOG/4-1(104)/2014-15

Dated: 25.06.2015

## **TENDER NOTICE**

1. The Director Central State Farm, Suratgarh invites bids for the construction of works detailed in the table given in para-7 here in after. The bidders may submit bids for any or all of the works.
2. Bidding is open to all eligible bidders meeting the eligibility criteria as defined in clause No. 3.5 of instructions to Bidders should, however, be registered with Central Govt. /State Govt. or Central/State Undertakings, Bidders are advised to note the minimum qualification criteria specified in clause 4 of the instructions to bidders to qualify for the award of the contract.
3. Bidding documents (and additional copies) may be purchased from the office of the Manager Engineer (Civil) from 27.06.2015 to 17.07.2015 during office hours for a non-refundable fee as indicated; in the form of cash or Demand Draft on any scheduled bank payable at **SURATGARH (Raj.)** in favor of **NATIONAL SEEDS CORPORATION LIMITED SURATGARH.**

Interested bidders may obtain further information at the same address. Bidding documents requested by mail will be dispatched by Registered/speed post on payment of an extra amount of ₹. 100/- (Rupees one hundred only). The Management will not be held responsible for the postal delay if any, in the delivery of the documents of non-receipt of the same.

4. Bids must be accompanied by security amount specified for the work in the table below, payable at SURATGARH (Raj.) drawn in favor of NATIONAL SEEDS CORPORATION LIMITED SURATGARH.  
Bid security will have to be in any one of the forms as specified in the bidding documents and shall have to be valid for 28 days beyond the validity of the bid.
5. Bids must be delivered to the DIRECTOR, CENTRAL STATE FARM, SURATGARH-335804 (RAJ.) on or before 1100 hours on 18.07.2015 and technical bid will be opened on the same day at 1200 hours and financial bid will be opened at 1500 hours in the presence of the bidders who wish to attend. If the office happens to be closed on the date of receipt of the bids as specified the bids will be received and opened on the next working day at the same time and venue.

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6. A pre bid meeting will be held on 17.07.2015 at 1700 hours at the office of MANAGER ENGINEER (CIVIL) TO CLARIFY THE ISSUES AND TO ANSWER QUESTIONS ON ANY MATTER THAT MAY BE RAISED AT THAT STAGE AS STATED IN clause 9.2 of Instructions to Bidders of the Bidding documents.
7. Other details can be seen in the bidding documents.

| Sr. No. | Name of Work                                                                                | Approximate value of work | Bid security | Cost of documents (In ₹.) | Period of completion |
|---------|---------------------------------------------------------------------------------------------|---------------------------|--------------|---------------------------|----------------------|
|         |                                                                                             | ₹. (in Lacs.)             |              |                           |                      |
| 1.      | Supply and installation of R.O system of 1000 ltrs per hour capacity at Central Colony B-II | 5.50                      | 0.20         | 500.00                    | 2 Months             |

Note:

1. Cement will be issued from the general store of the farm.
2. Number and quantity of Work may increase or decrease.
3. No time extension will be given for execution of work.
4. Canal water is to be used for construction work.
5. Rates should be inclusive of all type of govt. taxes.
6. If any additional items are required to be executed the contractor has to execute in the same proportionate rate quoted by him.
7. The work experience for the contractor should be 40% of three work or 50% of two works or 80% of one work of similar nature during last seven years.
8. Insurance of labour working at site will be done before start of work.
9. Any type of tax liability of government will be borne by the contractor.

Manager (Engg-Civil)  
For Director



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(भारतसरकारकाउप म- िमिनर क पनी)  
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No. CSF/SOG/4-1(104)/2014-15

Dated: 25.06.2015

**Name of Work : Supply & Installation of R.O System of 1000 Liters per Hour Capacity.**

**SCOPE OF SUPPLY**

| S.No. | Description                                                                     | Quantity |
|-------|---------------------------------------------------------------------------------|----------|
| 1     | Raw water feed pump with motor                                                  | 1 Nos    |
| 2     | Sand Media filter                                                               | 1 Nos    |
| 3     | Activat Carbon filter                                                           | 1 Nos    |
| 4     | Anti scalent Dosing pump                                                        | 1 Nos    |
| 5     | Housing with filter 5 micron                                                    | 2 Nos    |
| 6     | SS Multistage high pressures pump                                               | 1 Nos    |
| 7     | Membrane Housing 4080E2 FRP                                                     | 2 Nos    |
| 8     | R O Membrane High rejection(pp.3%) Brackish water 4040                          | 4 Nos    |
| 9     | Mualti Poart Valves 1" in & out Imp                                             | 2 Nos    |
| 10    | Fine filtered water-blending line with micron filter,PVC pipe line and fittings | 1 lot    |
| 11    | MS electrical panel with controls                                               | 1 Nos    |
| 12    | Pressures Gauges                                                                | 3 Nos    |
| 13    | Rota meter reject & permeate                                                    | 2 Nos    |
| 14    | SS Skid                                                                         | 1 Nos    |

**TECHNICAL DETAILS**

**Row water feed pump**

|                          |   |                                    |
|--------------------------|---|------------------------------------|
| Type                     | : | Monoblock Centrifugal              |
| Material of construction | : | C.I.                               |
| Make                     | : | CRI, Kriloskar, Cropmton & Greaves |
| Drive Motor              | : | Single phase                       |

**Sand Media Filter**

|                  |   |                      |
|------------------|---|----------------------|
| Working          | : | Downflow             |
| Max flow rate    | : | 5m3/hr               |
| Min.flow rate    | : | 0.5m3/hr             |
| Working pressure | : | 1.5-3.5kg/cm2        |
| Size             | : | 13''X54''            |
| Make             | : | Pentair              |
| Valves           | : | Multiport valve 40mm |

**Carbon filter**

|                  |   |                       |
|------------------|---|-----------------------|
| Working          | : | Down flowe            |
| Max flow rate    | : | 5m3/hr                |
| Min. flow rate   | : | 0.5m3/hr              |
| Working pressure | : | 1.5-3.5kg/cm2         |
| Size             | : | 13''X54''             |
| Make             | : | Petair                |
| Valves           | : | Multiport valves 40mm |

**Antiscalant Dosing unit**

|          |   |               |
|----------|---|---------------|
| Make     | : | M-dose, IMP   |
| Capacity | : | 6 LPH @3.5bar |

**Micron Cartridge Filter**

|           |   |                                |
|-----------|---|--------------------------------|
| Quantity  | : | 1 sat                          |
| Flow rate | : | 5m3/hr                         |
| Rating    | : | 5 Micron                       |
| Make      | : | Filtech/USF (USA Hydronutices) |

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 Scope of Supply & Technical Details

Page 2

**Cartridge Housing**

|          |   |               |
|----------|---|---------------|
| Quantity | : | 2 No's        |
| Make     | : | Polycarbonate |

**High-Pressure pump**

|             |   |                        |
|-------------|---|------------------------|
| Type        | : | Multistage Centrifugal |
| Make        | : | Pentair, CRI           |
| Drive Motor | : | Single phase           |
| Model       | : | CDL-2-180              |

**Membrane Housing**

|      |   |                |
|------|---|----------------|
| Type | : | FPR            |
| PSI  | : | 250            |
| Make | : | HSP, ALFA, IMP |
| Size | : | 4080E2         |

**Membrane**

|           |   |                               |
|-----------|---|-------------------------------|
| Type      | : | High Rejection Brackish water |
| Membrane  | : | Hi-TECK                       |
| Modal     | : | 4040                          |
| Size      | : | 40'' x 40''                   |
| Rejection | : | 99.3%                         |

**Flow Meter**

|          |   |                       |
|----------|---|-----------------------|
| Quantity | : | 2 No                  |
| Type     | : | Glass Tube Rota mater |
| Make     | : | Flow max, IMP         |

**Pressures gauge**

|          |   |              |
|----------|---|--------------|
| Quantity | : | 3 no's       |
| Type     | : | IMP          |
| Make     | : | Back mounted |

**One Lot Fine Filtered Blending with micron filter, UPVC pipe line and fitting for blending in RO Permeate.**



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(भारतसरकारकाउपक्रम-मिनिरत्नकम्पनी)

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No. CSF/SOG/4-1(104)/2014-15

Dated: 25.06.2015

**Name of Work : Supply & Installation of R.O System of 1000 Liters per Hour Capacity.**

### **G.SCHEDULE**

#### **PART-A (Supply & Inst. Works)**

| Sr.No | Particulars                                                                                                                                | Unit | Qty | Amount         |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------------|
| 1.    | Supply & Installation of Reverse Osmosis System of 1000 Ltrs Per Hour Capacity including all service, Installation Charges etc. and taxes. | Ea   | 01  | Rs. 3,65,000/- |

**Terms &Conditions :** *The above mentioned Rate will includes,*

1. All Tools & Tackles will be arranged by the contractor.
2. Contractor shall provide the warranty for one year from the date of successful commissioning of work. Contractor will be liable for any defect/deficiency arising out of substandard material/ improper workmanship and replace / repair any defects within the above period free of cost.
3. In case the contractor fails to attend any defects in his work within a week's time from the date of intimation, it shall be rectified by through another agency and the amount spent thus shall be recovered from the contractor's security deposit.
4. All materials and workmanship shall be of good quality. The Contractor shall at his own expense arrange for and/or carry out any test of any materials which the department may require.
5. Any type of tax liability of government will be borne by the contractor.

**Name & Signature of  
Contractor**



# **NATIONAL SEEDS CORPORATION LTD.**

*( A Govt. of India Undertaking- "Mini-Ratna" Company)*

## **CENTRAL STATE FARMS - SURATGARH**

*"An ISO 9001:2008 & ISO 14001:2004 Company"*

*Rates are Without Cement*

| <b>G.SCHEDULE FOR CONSTRUCTION OF TANK FOR STORAGE OF RAW WATER</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |          |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---------|----------|
| <b>AT CENTRAL COLONY B-II</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |          |
| <b>PART - B (CIVIL)</b>                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |      |         |          |
| SR.NO                                                               | ITEM OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                 | QTY    | UNIT | RATE    | AMT      |
| 1                                                                   | Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. Code No.- 2.28 (Page No. 75), DSR, CPWD 2013                                                                                                                                                                                                                             | 19.20  | SQM  | 11.24   | 215.81   |
| 2                                                                   | Earth work by mechanical means (Hydraulic excavation)/manual means in foundation trenches or drains (not exceeding 1.5 mtr in width or 10 sqm on plan), including dressing of side & ramming of bottoms, lift upto 1.5 mtr, including getting out the excavated soil & disposal of surplus excavated soil as directed, within a lead of 50mtr. All Kinds of soils. Code No - 2.8.1, (Page No. 72) DSR, CPWD 2013                             | 38.40  | CUM  | 148.25  | 5692.80  |
| 3                                                                   | Providing & laying cement concrete 1:5:10 in footing & bases for columns, excluding the cost of centring & shuttering. Code No. - (4.1.10) (Page No. 85), DSR, CPWD 2013                                                                                                                                                                                                                                                                     | 2.88   | CUM  | 2957.80 | 8518.46  |
| 4                                                                   | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Code No.- (6.1.2) (Page No. 111), DSR, CPWD 2013                                                                                                                                                                                                                            | 10.41  | CUM  | 4302.75 | 44791.63 |
| 5                                                                   | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Code No.- 5.3 (Page No 96), DSR, CPWD 2013 | 3.84   | CUM  | 4347.15 | 16693.06 |
| 6                                                                   | Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars. Code No.- 5.22.6 (Page No. 99), DSR, CPWD 2013                                                                                                                                                                                                               | 460.80 | KG   | 66.50   | 30643.20 |
| 7                                                                   | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Code No. 10.2, Page No 177, DSR CPWD 2013                                                                                                                                                                                  | 50.00  | KG   | 73.65   | 3682.50  |
| 8                                                                   | 12 MM Cement plaster of Mix : 1:6 ( 1Cement : 6 Course Sand ) Code No. - 13.4.2 (Page No. 222) DSR, CPWD 2013                                                                                                                                                                                                                                                                                                                                | 29.75  | SQM  | 142.25  | 4231.94  |

|    |                                                                                                                                                                                                                                                                                                                            |         |           |        |                  |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|--------|------------------|
| 9  | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.<br>Code No. 18.48, Page No. 327, DSR CPWD 2013 | 5000.00 | PER LITRE | 6.30   | 31500.00         |
| 10 | Providing M.S. foot rests including fixing in tank with 20X20X10 cm cement blocks 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :<br>Code No. 19.15.1, Page No. 353, DSR CPWD 2013                                                                                 | 5.00    | EACH      | 256.61 | 1283.05          |
| 11 | Centring and shuttering including strutting, propping and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps et. Code No.- 4.3.2 (Page No. 86), CSR, CPWD 2013                                   | 19.20   | SQM       | 334.50 | 6422.40          |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                               |         |           |        | <b>153674.84</b> |
|    | <b>G.SCHEDULE AMOUNT (Part - B)</b>                                                                                                                                                                                                                                                                                        |         |           |        | <b>153674.84</b> |

|                                                                      |                  |
|----------------------------------------------------------------------|------------------|
| <b>TOTAL G.SCHEDULE AMOUNT (Part A+B) = Rs. 365000 + 153674.84 =</b> | <b>518674.84</b> |
|----------------------------------------------------------------------|------------------|

#### Terms & Conditions

1. All the tools and plants will be arranged by the contractor.
2. Insurance of labour working at site will be done by the contractor.
3. No. & Quantity of the work may increase or decrease.
4. Cement will be provided from the general store of the farm.
5. For all construction works strictly canal water is to be used at site.
6. If any additional item is req to be executed, payment will be made in proportionate rate of the contractor.
7. Any type of tax liability of government will be borne by the contractor.

Rate quoted by contractor \_\_\_\_\_ % Above on G. schedule amount

Rate quoted by contractor \_\_\_\_\_ % Below on G. schedule amount

**Name and Signature of Contractor**



# NATIONAL SEEDS CORPORATION LTD

(A Govt of India Undertaking)

## CENTRAL STATE FARMS - SURATGARH

"An ISO 9001:2008 & ISO 14001:2004 Company"

| DETAILS OF QUANTITIES FOR CONSTRUCTION OF TANK FOR STORAGE OF RAW WATER AT<br>CENTRAL COLONY B.NO.2 |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------|------|------|-------|
| S.NO.                                                                                               | ITEM OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                 | UNIT | NO | L    | B    | H    | QTY   |
| 1                                                                                                   | Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil. Code No.- 2.28.1 (Page No. 75), DSR, CPWD 2013                                                                                                                                                                                                        | SQM  |    |      |      |      |       |
| a                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 1  | 6.00 | 3.20 |      | 19.20 |
|                                                                                                     | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |      |      |      | 19.20 |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |
| 2                                                                                                   | Earth work by mechanical means (Hydraulic excavation)/manual means in foundation trenches or drains (not exceeding 1.5 mtr in width or 10 sqm on plan), including dressing of side & ramming of bottoms, lift upto 1.5 mtr, including getting out the excavated soil & disposal of surplus excavated soil as directed, within a lead of 50mtr. All Kinds of soils. Code No - 2.8.1, (Page No. 72) DSR, CPWD 2013                             | CUM  |    |      |      |      |       |
| a                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 1  | 6.00 | 3.20 | 2.00 | 38.40 |
|                                                                                                     | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |      |      |      | 38.40 |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |
| 3                                                                                                   | Providing & laying cement concrete 1:5:10 in footing & bases for columns, excluding the cost of centring & shuttering. Code No. - (4.1.10) (Page No. 85), DSR, CPWD 2013                                                                                                                                                                                                                                                                     | CUM  |    |      |      |      |       |
| a                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 1  | 6.00 | 3.20 | 0.15 | 2.88  |
|                                                                                                     | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |      |      |      | 2.88  |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |
| 4                                                                                                   | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Code No.- (6.1.2) (Page No. 111), DSR, CPWD 2013                                                                                                                                                                                                                            | CUM  |    |      |      |      |       |
| a                                                                                                   | Side Walls of tank                                                                                                                                                                                                                                                                                                                                                                                                                           |      | 2  | 6.00 | 0.35 | 1.75 | 7.35  |
| b                                                                                                   | Side Walls of tank                                                                                                                                                                                                                                                                                                                                                                                                                           |      | 2  | 2.50 | 0.35 | 1.75 | 3.06  |
|                                                                                                     | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |      |      |      | 10.41 |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |
| 5                                                                                                   | Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Code No.- 5.3 (Page No 96), DSR, CPWD 2013 | CUM  |    |      |      |      |       |
| a                                                                                                   | Bottom                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | 1  | 6.0  | 3.20 | 0.10 | 1.92  |
| b                                                                                                   | For Cover                                                                                                                                                                                                                                                                                                                                                                                                                                    |      | 1  | 6.0  | 3.20 | 0.10 | 1.92  |
|                                                                                                     | TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |    |      |      |      | 3.84  |
|                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |    |      |      |      |       |

|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|------|------|------|----------------|
| 6  | Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars. Code No.- 5.22.6 (Page No. 99), DSR, CPWD 2013                                                                                          | KG        |      |      |      |      |                |
| a  | Steel @ 120kg/cum                                                                                                                                                                                                                                                                                                       |           | 3.84 |      |      |      | 460.80         |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>460.80</b>  |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
| 7  | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Code No. 10.2, Page No 177, DSR CPWD 2013                                                             | KG        |      |      |      |      |                |
| a  | For Cover (1MX1M) approx 50Kg                                                                                                                                                                                                                                                                                           |           | 1    |      |      |      | 50.00          |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>50.00</b>   |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
| 8  | 12 MM Cement plaster of Mix : 1:6 ( 1Cement : 6 Course Sand ) Code No. - 13.4.2 (Page No. 222) DSR, CPWD 2013                                                                                                                                                                                                           |           |      |      |      |      |                |
| a  | Inside Long Walls                                                                                                                                                                                                                                                                                                       |           | 1X2  | 6.00 |      | 1.75 | 21.00          |
| b  | Inside Short Walls                                                                                                                                                                                                                                                                                                      |           | 1X2  | 2.50 |      | 1.75 | 8.75           |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>29.75</b>   |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
| 9  | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. Code No. 18.48, Page No. 327, DSR CPWD 2013 | Per Litre |      |      |      |      |                |
| a  | Water Tank @ 5000 Litre                                                                                                                                                                                                                                                                                                 |           | 1    |      |      |      | 5000.00        |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>5000.00</b> |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
| 10 | Providing M.S. foot rests including fixing in tank with 20X20X10 cm cement blocks 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design : Code No. 19.15.1, Page No. 353, DSR CPWD 2013                                                                                 | Each      |      |      |      |      |                |
| a  | Fixing in water storage tank                                                                                                                                                                                                                                                                                            |           | 5    |      |      |      | 5.00           |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>5.00</b>    |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |
| 11 | Centring and shuttering including strutting, propping and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps et. Code No.- 4.3.2 (Page No. 86), CSR, CPWD 2013                                | Sqm       |      |      |      |      |                |
| a  | For Tank Slab                                                                                                                                                                                                                                                                                                           |           | 1    | 6.00 | 3.20 |      | 19.20          |
|    | <b>TOTAL</b>                                                                                                                                                                                                                                                                                                            |           |      |      |      |      | <b>19.20</b>   |
|    |                                                                                                                                                                                                                                                                                                                         |           |      |      |      |      |                |

Sign. **MANAGER (ENGG-CIVIL)**  
**SURATGARH**

Sign. **TECH./((CIVIL)**  
**SURATGARH**