



## TRAVANCORE TITANIUM PRODUCTS LIMITED

Kochuveli, Thiruvananthapuram 695 021email: contract@ttpltd.in

Phone : 0471 2502163

CD/CN/SR-44/Toilet Renovation\_NP/C/22-23

07.01.2023

### NOTICE INVITING TENDER

Sealed tenders are invited from Experienced Contractors in prescribed format for the work as per the schedule attached. The Tender Form can be had from the office of the undersigned between 10:00 a.m and 3.00 p.m on all working days except Saturdays on remitting the Tender Form cost of **Rs.500/- +GST @18% (Total Rs.590/-)**. Tender document can also be downloaded from our website [www.travancoretitanium.com](http://www.travancoretitanium.com) and shall submit the Tender along with DD against the Tender Form cost & EMD in favour of Travancore Titanium Products Limited payable at Thiruvananthapuram. The bids will be opened at the date and time given below in the presence of the tenderers present at that time.

The tender shall be enclosed in an envelope, sealed and superscribed with **"TenderNo.&Date, Due Date and the Name of Work. The same shall then be forwarded to the "Head of Department (Commercial), Travancore Titanium Products Limited, Kochuveli P.O, Thiruvananthapuram, Kerala, Pin.695 021".**

**Name of Work: "Renovation of Toilets in NP."**

**EMD: Rs.6,730/- (Refundable)**

Sealed Tenders will be received at our office on all working days and the due date of submitting the same is on **20.01.2023** at 12.00 noon. Tenders received after the due date & time will not be accepted. Fax/email offers also will not be accepted.

The bids will be opened at 2.00 pm on **20.01.2023** in the presence of the Tenderers present at the time.

For TRAVANCORE TITANIUM PRODUCTS LTD.

**Head of Department (Commercial)**

Encl: Proforma& Work schedule

Signature of the Tenderer:



**TRAVANCORE TITANIUM PRODUCTS LIMITED**  
Kochuveli, Thiruvananthapuram 695 021  
Phone : 0471 2502163 email: contract@ttpltd.in

**Tender Notice**

**CD/CN/SR-44/Toilet Renovation\_NP/C/22-23**

**07.01.2023**

**Name of Work: "Renovation of Toilets in NP."**

**Due Date : 20.01.2023**

1. **Scope of work** : Detailed in Work schedule
2. **Quantity** : Detailed in Work schedule
3. **Price** : Lumpsum amount for the entire work shall be quoted.
4. **Period** : The work should be completed within **Sixty Days** from the date of issue of Work Order.
5. Lump sum quantities considered in the estimate are approximate and no extra claim is permissible.
6. The tenderer must have **valid ESI, and P.F, MSME registration** if applicable for participating in the tender.
  - a. If the Bidder is not covered under PF Act, a self Declaration is to be submitted along with the Tender.
  - b. If the bidder is not covered under ESI Act, CAR (Contractors All Risk) Policy for the workers has to be submitted for the entire period of contract. Declaration to be submitted along with the Tender.
7. **Pre Qualification Criteria:** Experience of having successfully completed similar works as per the scope of works like Masonry works / Tile Works / Plumbing works during last seven years ending 31<sup>st</sup>December2022 should be either one of the following:-
  - i.) Three similar completed works costing not less than the amount equal to Rs.1,07,710/- in a year.
  - ii.) Two similar completed works costing not less than the amount equal to Rs.1,34,640/- in a year.
  - iii.) One similar completed work costing not less than the amount equal to Rs.2,15,420/- in a year.
8. In support of this, tenderer should submit the **copy of such work orders along with satisfactory completion certificates.**
9. The bidders with whom Government transactions have been banned/black listed/ suspended due to any reason will not be eligible to participate in the tender. The self declaration as **Annexure** to be submitted along with the tender.

Signature of the Bidder:

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10. The contractor has to supply as many specialized workers and necessary tools and tackles based on the urgency of work as mentioned by Engineer-in-charge and the work has to be completed within the time limit.
11. **Pipe fittings sanitary fittings shall be of the make JAQUAR/CERA (ISI marked).**
12. **Approved make of tiles is RAK/Johnson/Kajaria (ISI marked).**
13. **Size of tile - as approved by TTPL.**
14. **Approved paint brands for exterior paint, emulsion, primer and enamel – Asian/Berger or equivalent.**
15. **Paint color as approved by TTPL.**
16. **Approved make for PVC pipe- Kelachandra/Goodwill or equivalent with ISI mark as approved.**
17. **Cutting Gases / Acetylene gas with flash back arresters on cylinders are only permitted for gas cutting works. LPG Cylinders (Domestic and Commercial) will not be permitted.**
18. The company is no way responsible for any loss or damage to the materials entered in TTPL campus by the contractor.
19. All the balance materials should be removed and cleared the work site at the end of every day. The work site must be cleaned before submitting the bill.
20. Payment will be made after the completion of the work with the recommendation of the officer in charge. Contractor shall submit Entry Pass issued from Main Gate along with the bills.
21. TTPL reserves the right to accept / reject any of the tender after evaluation with or without assigning reason no matter whether a Tenderer has quoted the lowest rate. All questions/disputes arising out of or in connection with this shall be decided by the Managing Director of the company and his decision thereof shall be final and binding to all tenderers.
22. Bids should bear the signature of the bidder in all pages of tender document and work schedule.
23. Tenders without remitting EMD and Tender cost will be rejected.
24. Conditional Bids shall not be considered.
25. **The rate quoted shall be exclusive of GST and the % of GST applicable should be mentioned at the space provided in the price pro forma. If the bidder is below the threshold limit of GST that should be clearly mentioned at the space provided for GST. No subsequent claim will be entertained.**
26. It is no binding on the company to accept the lowest offer. The company reserves the right to cancel/postpone the tender or to reject any or all offers without assigning any reason.

27. The tenderer should remit the Earnest Money Deposit (EMD) and Tender Form Cost mentioned in this document by means of DD or can remit cash at TTP's Cash Counter (if the amount is below Rs.10,000/-) and enclose the proof obtained thereof (Cash Receipt) along with the tender. Other modes of remittance will not be accepted.
28. If any irregularity or fraudulent behavior is noticed on part of the contractor / his agents / representatives or the crew of the vehicle engaged by the contractor for the performance of the contract, the company reserves the right to take all suitable action deemed fit against the contractor and those concerned.
29. The contractor will be responsible for meeting all the requirements of the various labour enactments applicable from time to time and should indemnify and keep indemnified the company against all losses and damages sustained by the company in this regard at all times.
30. Contractor should comply with all relevant formalities under contract labour (Regulation and Abolition) Act 1971, such as display of rate of wages, date, place and time of payment of wages, date of payment of unpaid wages etc. they should also intimate the time, date and place of disbursement of wages to the supervisory Officer nominated under the above act for certification of payment to contract workers.
31. Crawling boards and double hooked safety belts are to be provided to contract labourers working at roof top and high elevation. Workmen using such equipment alone will be permitted to work at such elevated position. The contractor should strictly adhere to the Safety Rules prevailing in the company failing which penalty are decided will be imposed. It is entirely the contractor's responsibility to provide all safety equipment wherever necessary to their workmen. The Company is in no way responsible for any injury, disability or death of contractor's workmen due to non-compliance of safety regulations.
32. The successful bidder shall be held responsible for any penalty imposed on them on Violation of statutory requirements/safety regulations and such penalties shall be met by the successful bidder themselves. The Workmen should follow the safety rules and regulations prevailing at TTPL from time to time. The contractor is liable to pay penalty of Rs.500/- for safety protocol violation / incident.
33. The contractor should fix a display board on the materials of their own kept within the Company premises indicating the names of the contractor and work order No.
34. The Company reserves the right to cancel the work order forfeiting security deposit if the work is not started within 10 days from the date of receipt of work order and also to terminate the contract at any time if the work is not done with proportionate progress to

the satisfaction of the company officials and in all such cases the company will be at liberty to get the work done in in any manner that the company thinks fits and all losses and damage sustain by the company in this regard will be recovered from contractor and his assets.

35. Canteen charges will be deducted from the contractor's bill as per rules.
36. Before starting the work, all the workmen under the contractor must undergo a safety training conducting by the Safety department. A declaration regarding successful completion of the training has to be submitted in HR Department.
37. Use of smart phones is strictly prohibited in company campus. However, in the event of any emergency, base model mobile phone without camera can be used under the prevailing rules and regulations of security department.
38. **Validity of rates:** The quoted rate must be valid for a period for 90 days from the date of opening of the tender and till the completion of the work if the contract is awarded.
39. **Guarantee:** The tenderer should also provide a guarantee for six months against poor workmanship. 10% of the contract amount will be retained by the company during the guarantee period.
40. **Security Deposit :** The successful Tenderer should remit 5% of the contract value as security Deposit immediately from the date of issue of work order. The security deposit will not carry any interest and will be refunded after the completion of all contractual obligations. On default of the tenderer to remit the Security Deposit and sign the Agreement, the EMD withstand forfeited and if any loss or damage is sustained by the company in this regard, the same will also be recovered from him.
41. If the Successful Bidder fails to remit SD and execute agreement within the stipulated period, Company have the right to cancel the work order awarded to the successful bidder and the work will either be executed by L2 bidder or any other source at the risk and cost of the successful bidder, if necessary.
42. **Agreement:** The contractor should execute an agreement on stamp paper worth Rs.200/- if the contract value is above Rupees One Lakh immediately from the date of remittance of Security Deposit and start work after remitting the SD.
43. **Jurisdiction:** Any legal proceeding or suit against the Company arising out of or in connection with the tender shall be filed or instituted in a court having jurisdiction in the city of Thiruvanthapuram, Kerala.
44. **Liquidated damages:** In case of any delay in the execution of the Order beyond the stipulated date of work schedule including any extension permitted in writing, the TTPL reserves right to recover from the contractor a sum equivalent to 0.5% of the total value of the delay for each week of delay and part thereof subject to a maximum of 10% of the total value of the Order. Alternatively, the Company reserves the right to execute the work from elsewhere at the sole risk and cost of the contractor and recover all such extra cost incurred by the company in execution of work by the above procedure.
45. All statutory deductions will be made from the contractor's bill as per rules.

46. All workers engaged with the work shall have Police Clearance Certificate (PCC) and other formalities insisted by Security Department of TTPL.
47. In case of any matters pertaining to this Tender which are not incorporated /specified there in, in such cases guidelines of CVC/Kerala store Purchase Manual shall be applicable.
48. **Estimate Amount: Rs.2,69,270/-**-(Rupees Two Lakhs Sixty Nine Thousand Two Hundred and Seventy Only)
49. **Tender cost: Rs.500/- plus GST@18%(Total Rs.590/-)**
50. **EMD: Rs.6,730/- (Refundable)**
51. **Documents to be Submitted:**
- i.) Tender document duly signed by the bidder in all pages
  - ii.) Proof of Tender fee and EMD remittance
  - iii.) Copy of GST,PF and ESI, MSME registration(if applicable)
  - iv.) Self Declaration as per Clause 6 (a) & (b) if applicable.
  - v.) Proof of Experience as per clause 7 & 8
  - vi.) Self declaration – **Annexure as per Clause 9**
52. **Due Date: 20.01.2023 at 12 noon.**

for TRAVANCORE TITANIUM PRODUCTS LTD



**Head of Department (Commercial)**

### **PARTICULARS OF TENDERER**

1. Name of the Bidder :
2. (a) Registered office address of the Bidder :
- (b) Address for correspondence :
3. Mobile Nos. :
4. E-mail address :
5. Status of the tenderer  
(Individual, Prop. firm, Partnership, Ltd. Company) :
6. Registration No. :
7. Year of establishment :
8. Permanent Account No. (PAN issued by Income Tax Dept.) :
9. GST Registration No. :
10. ESI Registration No. :
12. PF Registration No. :
13. MSME No. ( if applicable) :
13. Name and address of Proprietor/ Partners/ Directors :

#### **Declaration**

We confirm that we have read and understood all tender conditions and we accept all tender conditions in its entirety.

Date :

Signature :

Name of Person signing :

Tenderer's Name and address with seal :

### PRICE PERFORMA

**Name of Work: "Renovation of Toilets in NP."**

**Tender No.CD/CN/SR-44/Toilet Renovation\_NP/C/22-2 Dated 07.01.2023.**

I have read and understood all the tender conditions and work schedule the tender in its entirety and my lowest offer to carry out the work as per the tender is:

1. At the Estimate Rate : (in figures)Rs.....+GST%.....

**(Rs.2,69,270/-)** : (in words )Rs.....

2. Below Estimate Rate : (% in figures).....+ GST%.....

: (% in words).....

3. Above Estimate rate : (% in figures).....+ GST%.....

: (% in words).....

**Please mention % of GST at the space provided . If not mentioned, the rate will be considered as inclusive of GST. Also if the bidder is within the threshold limit of GST the same shall be mentioned at the space.**

**Whether below threshold limit :**

Tender cost remittance details :

EMD Remittance details :

Signature of the Bidder :

Name & Address :

Registration Number: Mobile No: E Mail:

Signature of the Bidder:



**SELF DECLARATION**

Date:

From

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

To

The Head of Department (Commercial)  
Travancore Titanium Products Limited  
Kochuveli, Thiruvananthapuram,  
Kerala – 695 021.

Sir,

Sub: Tender for **Renovation of Toilets in NP.**

Ref: **Tender No CD/CN/SR-44/ Toilet Renovation\_NP/C/22-23 dated  
07.01.2023.**

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1. I/We have carefully studied the terms and conditions of the tender vide your **Tender No.CD/CN/SR-44/Toilet Renovation\_NP/C/22-23 dated 07.01.2023.**
  2. I/We hereby certify that we have never been banned/black listed/suspended by any of the State/UT/Central Government/ PSU organizations.
  3. In the event of any such information pertaining to the aforesaid matter is found at any given point of time either during the course of the contract or at the bidding stage, my bid/contract shall be liable for truncation/cancellation/termination without any notice at the sole discretion of the company.

Yours faithfully,

Signature and Address of the Bidder.

Signature of the Bidder:

Renovation of toilets in NP

Abstract Estimate

(Dsor year: **2018**, Cost Index Applied for this estimate is **35.59%**)

1 Renovation of toilets in NP		
1	od301536/2022_2023 Earth work in excavation by manual means/hydraulic means including dressing of sides and ramming of bottoms, including getting out the excavated soil and disposal of surplus excavated soil to dumpyard as directed by Engineer in charge.	
Net Total Quantity		5.709 cum
Say 5.709 cum @ Rs 214.03 / cum		<b>Rs 1221.90</b>
2	od301594/2022_2023 Filling available earth in plant premise (open well area) in trenches, under floors, plinth, sides of foundation etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, and lift upto 1.5m including cost and conveyance of all materials, labour charges, etc complete at all levels as directed by the Engineer-in-Charge	
Net Total Quantity		27.000 cum
Say 27.000 cum @ Rs 462.84 / cum		<b>Rs 12496.68</b>
3	4.1.3 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	
Net Total Quantity		3.772 cum
Say 3.772 cum @ Rs 7990.86 / cum		<b>Rs 30141.52</b>
4	od301537/2022_2023 Labor charges for Solid block masonry using pre cast solid blocks ( factory made) of size 40x20x15 cm or nearest available size confirming to IS 2185 part 1 of 1979 for foundation and plinth with thickness 20 cm and above in: CM 1:6 ( 1 cement : 6 coarse sand) etc complete as per the direction of the Engineer in charge	
Net Total Quantity		2.439 cum
Say 2.439 cum @ Rs 3052.30 / cum		<b>Rs 7444.56</b>
5	od301605/2022_2023 Labor charges for Solid block masonry using pre cast solid blocks ( factory made) of size 40x20x20cm or nearest available size confirming to IS 2185 part 1 of 1979 for super structure up to floor two level with thickness 20 cm and above in: CM 1:6 ( 1 cement : 6 coarse sand) etc complete as per the direction of the Engineer in charge	
Net Total Quantity		1.117 cum
Say 1.117 cum @ Rs 3799.50 / cum		<b>Rs 4244.04</b>

6	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 <sup>0</sup> 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 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).	
Net Total Quantity		0.166 cum
Say 0.166 cum @ Rs 11492.88 / cum		Rs 1907.82
7	5.9.5 Centering and shuttering including strutting, etc. and removal of form for: Lintels, beams, plinth beams, girders bressumers and cantilevers	
Net Total Quantity		1.651 sqm
Say 1.651 sqm @ Rs 649.82 / sqm		Rs 1072.85
8	5.22.6 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 of grade Fe-500D or more	
Net Total Quantity		27.898 kilogram
Say 27.898 kilogram @ Rs 98.30 / kilogram		Rs 2742.37
9	13.1.1 12 mm cement plaster of mix: 1:4 ( 1 cement : 4 fine sand)	
Net Total Quantity		95.878 sqm
Say 95.878 sqm @ Rs 314.09 / sqm		Rs 30114.32
10	13.98.1 Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	
Net Total Quantity		65.561 sqm
Say 65.561 sqm @ Rs 99.66 / sqm		Rs 6533.81
11	od301737/2022_2023 Finishing walls with Acrylic Smooth exterior paint of required shade for new work (Two or more coat applied @ 1.67 ltr/10 sqm including charges for all labour, materials etc complete as per the direction of the Engineer in charge.	
Net Total Quantity		46.465 sqm
Say 46.465 sqm @ Rs 112.21 / sqm		Rs 5213.84
12	od301538/2022_2023 Supply and laying best quality ceramic glazed floor tiles (RAK/Johnson/ Kajaria) with cement mortar after chipping and removing the existing floor, pointing the joints including cost of tile joint filler, hire of tools etc. and charges for conveying the debris to the dump yard etc. complete as per direction of Engineer-in-charge	
Net Total Quantity		14.190 sqm



Say 14.190 sqm @ Rs 1067.72 / sqm		<b>Rs 15150.95</b>
13	8.31 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622(thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	
Net Total Quantity		22.500 sqm
Say 22.500 sqm @ Rs 1212.78 / sqm		<b>Rs 27287.55</b>
14	17.2.1 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 6192.67 / each		<b>Rs 6192.67</b>
15	50.17.1.4 Supplying and fixing CP Health faucet good quality including cost of materials and labour charges etc. complete as per the direction of site engineer-in-charge.	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 758.12 / no		<b>Rs 758.12</b>
16	17.4.1 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: One urinal basin with 5 litre white P.V.C. automatic flushing cistern	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 5864.54 / each		<b>Rs 5864.54</b>
17	17.7.1 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 3634.56 / each		<b>Rs 3634.56</b>

18	18.58.2.1 Providing and fixing PTMT grating of approved quality and colour.Rectangular type with openable circular lid150 mm nominal size square 100 mm diameter of the inner hinged round grating	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 198.91 / each		<b>Rs 397.82</b>
19	17.32.2 Providing and fixing mirror of superior glass ( of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1318.61 / each		<b>Rs 1318.61</b>
20	od301539/2022_2023 Supply and fixing 15mm C.P long body tap	
Net Total Quantity		2.000 each
Say 2.000 each @ Rs 1561.46 / each		<b>Rs 3122.92</b>
21	50.17.1.1 Supplying and fixing Stainless steel soap dish including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 67.02 / no		<b>Rs 67.02</b>
22	50.17.1.3 Supplying and fixing CP Towel rod 60cm or nearest available length including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.	
Net Total Quantity		1.000 no
Say 1.000 no @ Rs 128.25 / no		<b>Rs 128.25</b>
23	od301540/2022_2023 Supply and fixing PVC door of approved colour including its fittings complete as per the direction of Engineer in charge.	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 3500.76 / each		<b>Rs 10502.28</b>
24	50.18.9.13.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10 Kgf/cm2- External work - Exposed on wall	
Net Total Quantity		25.000 metre
Say 25.000 metre @ Rs 275.89 / metre		<b>Rs 6897.25</b>



25	50.18.8.3.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 10kgf /cm2	
Net Total Quantity		25.000 metre
Say 25.000 metre @ Rs 420.83 / metre		<b>Rs 10520.75</b>
26	50.18.8.7.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc 63 mm pipe 4 kgf/ cm2	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 566.80 / metre		<b>Rs 5668.00</b>
27	50.18.9.17.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 63 mm dia 4 Kgf/cm2- External work - exposed on wall	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 225.60 / metre		<b>Rs 2256.00</b>
28	50.18.9.19.2 Providing and fixing PVC pipes including fixing the pipe with clamps/clips at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 110 mm dia 4 Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 331.70 / metre		<b>Rs 3317.00</b>
29	50.18.8.9.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC Solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 110 mm pipe 4 kgf/cm2	
Net Total Quantity		10.000 metre
Say 10.000 metre @ Rs 672.90 / metre		<b>Rs 6729.00</b>
30	od301542/2022_2023 Supplying and fixing 4 ft dia concrete rings in position including charges for transportation, unloading and excavation of soil etc complete as per the directions of the Engineer in charge	
Net Total Quantity		10.000 no
Say 10.000 no @ Rs 987.28 / no		<b>Rs 9872.80</b>

31	od301543/2022_2023 Supply and fixing 3inch concrete cover over the 4ft dia soak pit including charges for transportation, unloading etc. complete as per the directions of engineer in charge.	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 1045.35 / each		Rs 1045.35
32	od301544/2022_2023 Labour charges for repairing/modifying/strengthening and replacing the damaged steel structurals such as column, beam, staircase, purlin, trusses, bracing, bracket etc of the building at various levels up to height of 25.3m including charges for fabricating members to size, conveying it to the site, lifting and fitting in position either by welding or by bolting, painting with iron primer after cleaning the surface thoroughly, including cost of welding rods, cutting gas , hire of tools and charges for scaffolding, conveying MS materials from store and debris to the dump yard etc complete as per the direction of the Engineer in charge	
Net Total Quantity		793.722 kg
Say 793.722 kg @ Rs 41.58 / kg		Rs 33002.96
33	od301545/2022_2023 Labour charges for painting with rubber based paint (lighty grey) over steel structurals such as columns, beams, roof trusses, purlin, louvers, brazing, connected platforms, hand rails, staircases, walkways, pipelines, cable trays, steel doors , windows, gates, cover plates, tanks, ducts, scrubber stack, chimneys and equipment supports including charges for all tools, scaffolding etc complete as per the direction of the Engineer in charge.	
Net Total Quantity		20.000 sqm
Say 20.000 sqm @ Rs 45.77 / sqm		Rs 915.40
34	od301546/2022_2023 Labour charges for painting with rubber based paint (dark grey) over steel structurals such as columns, beams, roof trusses, purlin, louvers, brazing, connected platforms, hand rails, staircases, walkways, pipelines, cable trays, steel doors , windows, gates, cover plates, tanks, ducts, scrubber stack, chimneys and equipment supports including charges for all tools, scaffolding etc complete as per the direction of the Engineer in charge.	
Net Total Quantity		20.000 sqm
Say 20.000 sqm @ Rs 45.77 / sqm		Rs 915.40
35	od301547/2022_2023 Labor charges for fixing Non asbestos cement sheet/FRP Sheet on roof and side cladding with GI bolts and nuts, grease washer, rubber cap, roofing compound etc. up to a height of 25m including cost of all labors ,hire of tools, conveying, cutting the sheet into suitable size if necessary, charges for scaffolding etc. complete as per the direction of officer in charge.	
Net Total Quantity		44.002 sqm
Say 44.002 sqm @ Rs 240.25 / sqm		Rs 10571.48
Provision for GST payments (in %) @		0.0%



PRICE

EST NO:2022/25399

Amount reserved for GST payments	0.00
Total	269270.00
Lumpsum for round off	0.00
TOTAL Rs 269270.00	
Rounded Total Rs 2,69,270	
Rupees Two Lakh Sixty Nine Thousand Two Hundred and Seventy Only	

(Cost Index Applied for this estimate is 35.59%)

Other Engineering Organisations  
**PRICE**

