

## MEMORANDUM OF WORKS IN BRIEF

1.	Name of the Work	:	<b>Estimate for Demolition of Existing 04 Nos of RCC ESR, 02 nos of staff quarters &amp; 03 nos of pump rooms @ Various headworks under padra RWSS.</b>	
2.	Estimated Cost	:	<b>Rs. -8,34,384.02/-</b>	
3.	Earnest Money (1% of Estimated Cost)	:	<b>Rs. 8344</b>	
4.	Validity period of tender offered	:	120 days from the last date of receiving tender.	
5.	Security Deposit	:		
	i. Cash or by FDR	:	5.00 %	<b>Rs. 41,720.00</b>
	ii. To be deducted from current Bill	:	0.00%	<b>Rs. 0.00</b>
	<b>Total</b>	:	<b>5.00%</b>	<b>Rs. 41,720.00</b>
6.	Time allowed for completion of the work from the date of written order to commence	:	03 Month	
7.	Other details	:		
	i. Last date of Issue of tender	:	<b>Dt.</b>	
	ii. Date on or before which the tender must reach the Office	:	<b>Dt.</b>	
	iii. Mode of sending the tender	:	<b>a. In sealed cover by Registered Post or Speed Post only.</b> b. Tenders sent by ordinary post will be outright rejected.	
	iv. Description essential to be made on sealed cover	:	a. Name of work b. Last date of Receiving the tender	
	v. Tender invited in Form	:	<b>"B - 1" Form</b> (Successful contractor shall have to be entered in to <b>"B - 1" Form</b> Agreement).	
	vi. Mode of quoting rate in Schedule-B	:	<b>In Figures as well as in Words</b>	

Signature of Contractor

Deputy Executive Engineer  
Public Health Sanitary Sub-Division  
Gujarat W/S. & S. Board  
Karjan

## **INSTRUCTION FOR FILLING THE TENDER**

1. The contractor should quote rates both in words and figures. The amount should be also worked out and total given. No Additions & alternations in the shape of special stipulated will be permitted.
2. The contractor should particularly note the units on which the rates are based No changes in unit in scheduled-B of the tender will be permitted. In case the amount shown in column as work out by the tendered differs from the quantity and the rates, the amount based on the rates will be taken as correct. In case the rates in words differ from that in figures the former will be taken as correct. Alternatively, Contractor can quote the rate on lump basis on his own design.
3. All corrections and additions of posted slips should be initialed by the tender.
4. Acceptance of tender will rest with the Competent Authority, who does not bind himself to accept the lowest and reserves the rights to reject any or all tendered and no reasons will be given for acceptance or rejection thereof.
5. The amount shown against each item in tender multiple with the rate and quantity on the basis of unit as given and that in case of any error. The tender will be bound by the figures and the basis or rate of the amount whichever is less on the basis of such units. Also, that tendered must be given the correct total in words after adding all the items. The difference between the total and various items will be recorded as overall percentages rebate, if the total is not correct. All rates are without GST. The rates quoted shall be exclusive of GST but inclusive of all other taxes duties which shall not be paid extra. While GST will be paid for actual part of actual work done at the approval tender rates and tender condition of the price variation. GST shall be paid as per prevailing rates at the time of payments. The TDS shall be deducted at source as per provision of IT rules and GWSSB policy. As per encl. Board office, Gandhinagar circular No. Tech Cell/GST/circular/351 Dated 18/04/2022 of Chief Engineer, GWSSB, Gandhinagar.
6. GR. No: EMD / 4 / 2022 / 0002 / DMO, Date 20.05.2022 (Enclosed) mentioning the list of banks from which the SD/EMD shall be accepted.
7. The tendered which do not fulfill any of the above condition and those tenders which are incomplete shall be rejected and no reasons will be given for the rejection thereof.
8. Attention is invited to the additions made in Schedule "B" of the tender which compulsorily are to be filled in and if however, the same is kept blank and is not filled in the same will be filled as Nil by the officer opening the tender.
9. Contractor shall have to bear the cost of Stamp Duty as per Government Rules at the time of signing Contractor documents.
10. The tenderer shall first visit the site to access the actual site conditions and only then shall quote the bid accordingly. Further the tender is intended only for the tendered items, the tenderer during the site visit shall take the same into account and access the requirement of all the machineries required so as to safely demolish the tendered structures without any harm to the adjoining buildings, structures and any other assets.

11. **The successful contractor/bidder whose tender/bid is accepted shall deposit full quoted amount and its applicable GST within 10 days from the award of the work, in Executive engineer, Public health works division Vadodara. The amount of security deposit shall be released only after clearance of scrap materials to the satisfaction of the Engineer in-Charge.**

**Signature of Contractor**

Deputy Executive Engineer  
Public Health Sanitary Sub-Division  
Gujarat W/S. & S. Board  
Karjan

## **M & R to Padra Regional Water Supply Scheme**

**Taluka: Padra**

**District: Vadodara**

Estimate for Demolition of Existing 04 Nos of RCC ESR, 02 nos of staff quarters & 03 nos of pump rooms @ Various headworks under padra RWSS.

### **Item wise Specification**

#### **Item No. 1**

Demolition and dismantling of the existing RCC Elevated Storage Reservoir (ESR), located at Different SHW of old Padra RWSS. The scope includes the complete dismantling of the RCC structure, including walls, slabs, beams, columns, foundation and other related components. All serviceable materials such as steel reinforcement bars, stairs, C.I. pipes, C.I. specials (tees, bends, sluice valves), G.I. pipe railings, and C.I. manhole frames and covers must be taken away by the contractor at no extra cost for the conveyance of the demolished scrap (inclu. crushed concrete). The demolition has to be done mechanically (with machineries) & in the order from top towards bottom of the ESR safely, using machineries such as Concrete Crushers, etc.

After demolition, the contractor must ensure that the site is cleaned, all debris removed and the ground is levelled, leaving the site in a clean and safe condition as per the Engineer-in-charge's instructions.

The rates for this work shall include the cost of all serviceable materials and scrap value of reusable items. The contractor must comply with all relevant permits, safety measures, and local regulations. The entire work, from demolition to site cleanup, must be completed with due diligence, ensuring no debris is left and the site is left in an acceptable condition, as specified by the Engineer-in-charge.

#### **& Item No. 2**

Demolition and dismantling of the existing Staff quarters and Pump house, located at Different SHW of old Padra RWSS. The scope includes the complete dismantling of the RCC structure, including walls, slabs, beams, columns, and other related components. All serviceable materials such as steel reinforcement bars, stairs, C.I. pipes, C.I. specials (tees, bends, sluice valves), G.I. pipe railings, and C.I. manhole frames and covers must be taken away by the contractor at no extra cost for the conveyance of the demolished scrap (inclu. crushed concrete). The demolition has to be done mechanically (with machineries) & in the order from top towards bottom of the structure safely, using machineries such as Concrete Crushers, etc.

After demolition, the contractor must ensure that the site is cleaned, all debris removed and the ground is levelled, leaving the site in a clean and safe condition as per the Engineer-in-charge's instructions. The rates for this work shall include the cost of all serviceable materials and scrap value of reusable items. The contractor must comply with all relevant permits, safety measures,

and local regulations. The entire work, from demolition to site cleanup, must be completed with due diligence, ensuring no debris is left and the site is left in an acceptable condition, as specified by the Engineer-in-charge.

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## **PART 1**

### **GENERAL 1.1 SCOPE**

- A. Provide all labor, equipment, Machineries, materials, and professional services required to demolish and make proper disposal in accordance with applicable regulatory requirements of scrap metal associated with the removal of the existing RCC ESRs.
- B. Secure a demolition permit from the County prior to initiating demolition of the elevated tanks. Contractor will pay all fees associated with said permit.
- C. The contractor is responsible to carry out and pay for any test of material deemed necessary in order to do the work and dispose of waste or salvage material.
- D. The Bidder will have to have the third party insurance and the insurance for the labours to be engaged at the demolition site and also the Contractor is required to submit the requisite CAR policy.

### **1.2 SUBMITTALS**

- A. Comply with pertinent provisions of Section 01 33 01. B. Submit the following for Owner and Engineer review: 1. Demolition Plan 2. Regulatory and Environmental Compliance Plan 3. Health and Site Safety Plan

### **1.3 QUALITY ASSURANCE**

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

## **PART 2 - PRODUCTS - NOT USED**

## **PART 3 - EXECUTION**

### **3.1 GENERAL A.**

The Contractor shall make his own inspection and assessment of the condition of the tank prior to demolition, as well as carry out any testing or sampling necessary. The Contractor will then prepare all required submittals as specified and obtain the required permits. The site will be prepared in accordance with the plans and demolition work commenced. The material shall be removed from the site and the site restored.

### **3.2 DEMOLITION PLAN .**

The Contractor after careful examination of the site shall submit a demolition plan that details all procedures for demolition of the elevated storage tanks.

Adopted demolition plan shall be approved prior by the Engineer-In-Charge before its execution. The demolition plan shall confirm that the tank has been structurally assessed and such plan should cover the sequence of demolition of RCC components of ESR so that such demolition will not result in a premature tank structural failure. Plan should provide the most expeditious dismantling of the structure safely feasible to minimize the duration of time for the standing structures. It is required to confirm that during the dismantling / demolition of the ESRs along with its associated components, the sequence of removal / erection phase to avoid uncontrolled collapse. Also, the sequence of work should eliminate the risk of instability.

Demolition should be done in a way that nearby structures are not damaged in any way preferably by hydraulic sheer demolition concrete crusher or other which ensures no damage to the nearby structures. Demolition method should be selected in such a way that it is appropriate to the ESRs' construction & condition, proximity to other structures and available space.

During the demolition phase, Contractor shall continue to make inspections and notify the Owner and Engineer of any defects or structural weaknesses of items as they are partially demolished, cut or removed. The demolition plan should include procedures for handling such conditions.

All the safety provision are mandatory and to be followed during execution of work such as sign boards, barricades using metal sheets, safety nets etc as per the requirement of the site as per the instruction of the engineer in-charged.

Method of demolition planned to be adopted shall be got approved by the engineer in-charged.

### **3.3 PREPARATION**

- A. Protect existing structures, appurtenances, and landscaping which are not to be demolished and/or which are to be salvaged.
- B. Verify the location of existing above and below ground utilities prior to the start of any demolition. This includes, but is not limited to, electric, phone and water lines. Coordinate with utility personnel when disconnecting, removing, capping or relocating a utility within the demolition area. During execution, if any damage made to these U/G utilities will be the sole responsibility of the contractor, who in turn has to fix the damage within the permissible time of the concerned department.
- C. Upon mobilization, the Contractor shall secure the site and shall provide barricades, fencing, signs, lights, etc. to restrict access and to warn the public of possible dangers associated with the

demolition. Additionally a Sign board/ Warning board shall be placed at the approach ways to the site.

D. The Owner will be responsible for draining the tank of water and valving the tank off and isolating it from the distribution system.

### **3.4 DEMOLITION REQUIREMENTS A.**

A. Erect and maintain temporary barricading and other means as required to safeguard the structural integrity of the existing portions of the tank as demolition is taking place.

B. Cordon off the demolition site area for the safety of the residents residing nearby and the existing structures nearby. An utmost care to be taken with all possible efforts to avoid loss of life and property, whether the work is executed manually or mechanically.

C. Conduct demolition to minimize interference with adjacent roadways, structures or utilities.

D. Cease operations immediately if structures, the public or roadways appear to be in danger and notify the Owner immediately.

E. Demolish the existing concrete foundation as per instruction of engineer in-charge, after all the demolishing of the ESR/components/structures etc and its disposal as per the instruction of EIC, the said site shall be levelled with proper soil with compaction etc.

F. Contractor shall take all precautions during the demolition and removal of the tank from the site to minimize chipping or flaking of paint and deposit of paint particles on Owner's property and surrounding residents.

G. Blasting, scraping or other similar procedures which may cause paint to remove from the tank surfaces shall not be permitted as part of the demolition operations.

H. Contractor shall plug with concrete all open ends of pipelines exposed during demolition operations. The open ends of abandoned piping shall be tightly sealed with at least 12-inch-thick cast-in-place concrete plugs. Piping shall be disconnected, dismantled and removed as required and in such a manner as to RCC ESR minimize disturbing or damaging adjacent facilities.

I. Clean & Level up the site, perform all testing required by regulatory and environmental compliance plans.

### **3.5 DISPOSAL**

A. All removed materials, debris and rubbish resulting from the demolition operations shall be removed from the site and disposed of by and at the expense of the Contractor.

B. Contractor shall provide thorough and complete written documentation of the removal and snapping of the elevated tank. The documentation shall include a description of the material, date of removal, date of delivery to the receiving facility, and date of “destruction” of the material in the processing facility’s waste stream. The documentation shall include the written verification of the receiving facility.

C. All cost of handling of debris / scrap / malba etc. Including and transportation costs are the responsibility of the Contractor. The Contractor shall bear full responsibility for any and all fines against the project resulting from improper handling and disposal of the waste materials.

D. All Structures nearby demolition site should not get damaged during demolition work. Agency has to repair/ restore those structure to original state in case of damage done to them during demolition.

### **3.6 RESTORATION**

A. After the completion of the demolition work, the entire site shall be cleaned of all debris and rubbish. Restoration shall be made as required to return the site to equivalent of better condition than existed prior to the work. This shall include redressing of disturbed areas, repairs to any paved surfaces, sodding of disturbed areas, and restoration of any fencing temporarily taken down or damaged. During Demolition do proper care not to harm any nearby Structures otherwise the repairing cost will be borne by Agency.

During Demolish work of elevated service reservoir structure whichever reinforcement steel will be retrieve from Civil structure like stairs, Column, beam, slab, walls of E.S.R will be taken away by the Contractor, for safely disposal from site of demolition only after the payment to the Department, as per the terms and conditions of the tender and clearance from the E.I.C.

### **Mode of Measurement and Payment**

Measurement shall be paid on job basis as per relevant of the item in payment of job basis as per tender.

### **Special conditions**

1. All dismantling /demolition works shall carried out as per C.P.W.D specifications 2019 Vol I & II with up to date correction slips.
2. The Contractor shall deploy adequate manpower and machinery for the work as per direction of Engineer-in-charge. so as complete the work within stipulated time
3. The Contractor shall ensure that no accident / mis-happening occur during the work In case any accident occurs/may take place or any claim/claims is lodged during the work by any injured/aggrieved person(s) before any courts or authority, the same shall be the sole liability



and responsibility of the Contractor to pay compensation or face the criminal prosecution, if any.

4. The agency shall display informatory/cautionary signage boards at site

5. The existing structure shall be handed over to the contractor for dismantling and demolishing on "As is where is basis" and no claim what so ever will be entertained and nothing extra shall be paid on account of the cost involved in dismantling of existing structures and disposal of serviceable and unserviceable material / malba etc. from the premises, for all leads and lifts etc. complete as per direction of Engineer in Charge.

6. All the dismantled material /malba shall be the property of the contractor and shall be removed from the premises immediately. The building rubbish will be properly cleaned up to the ground level. Land and external services are not included in the bid and are not to be disturbed.

7. The contractor shall take proper care during dismantling operations to ensure that there is no danger/damage to any adjoining/existing structures and in case of any damage the contractor shall re-do the work/do the necessary repairs as per direction of the Engineer-in- Charge for which no claim would be entertained by the department.

8. The Contractor shall be responsible for the watch and ward / guard of the buildings safety, dismantled materials/articles by him against pilferage and breakage and nothing extra shall be paid on this accounts.

9. The contract shall be considered as complete subject to following conditions

i) Clearing the premises on which work shall be executed all serviceable and unserviceable materials, malba/ rubbish, T&P, barricades, scaffolding, other materials and cleaning the site and disposal of unserviceable material to municipal dumping ground.

10. The work shall be carried out as per the terms and condition of the contract work shall be monitored by the Engineer-in-charge and his authorized representatives at site.

11. Agency shall dismantle/demolish the structure auctioned & remove all serviceable /unserviceable materials, articles and malba from site at his own cost.

12. Agency shall adopt all the safety measures for the workmen, staff & users /occupants/visitors in building during the work.

13. Agency shall take all precautions so as not to damage any services like water lines, sewers/drains, roads, paths, any part of building electric cable /poles etc during the work.

14. Agency shall provide helmets, gumboots, safety belts, goggles, gloves for the safety of workmen & staff at his own cost.

15. Agency shall not create any inconvenience to the users/occupants during the work.

16. The Contractor shall be responsible for the watch and ward / guard of the buildings safety, dismantled materials/articles by him against pilferage and breakage and nothing extra shall be paid on this accounts.

**Signature of contractor**

Deputy Executive Engineer  
Public Health Sanitary Sub Division  
Gujarat W/S. & S. Board  
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