

**BHARAT HEAVY ELECTRICALS LIMITED****REGIONAL OPERATION DIVISION MUMBAI - 5****NOTICE FOR INVITING TENDER****TENDER NOTICE NO: RE:MUM:HRD:CW 0269:002 DATED : 09.05.2007****Name of Work : Repair Work of BHEL officers , Building No 4 Flats DN Nagar, Andheri ( West )**

Bharat Heavy Electricals Limited (BHEL), a Govt. of India Undertaking, owns a building comprising of 20 identical flats, each having covered area of 555 sq.ft., located at D.N. Nagar ( Behind D N Nagar Police Station ), Andheri (West), Mumbai – 400 053. BHEL invites proposals from Civil Contractors registered with State PWD, BMC , MBRR Board or any other State or Central Govt agency for Repair Work as follows.

Annexure – I : General Scope of Work

Annexure – II : Terms & Conditions.

Sealed Bids are required to be submitted separately in two parts as under:

1. Technical cum Commercial Bid - Envelope 1
2. Price Bid - Envelope 2

**I - “ Technical Cum Commercial Bid” - Envelope 1**

Bidders are required to enclose the following documents duly filled were ever applicable and signed on each page along with their stamp in the above envelope – 1 .

- 1 ) Part A of the Tender
- 2 ) Part B - Price Bid Format - **BLANK FORMAT**
- 3 ) General Scope of work – Annexure 1
- 4 ) Terms and conditions - Annexure 2
- 5 ) E.M.D of Rs 25000 / - Enclose DD - Payable in favour of “ M/s Bharat Heavy Electricals Ltd “
- 6 ) List of Materials - Annexure 3
- 7 ) Compliance Letter duly filled , Signed and Stamped .

**II - “ Price Bid ”****- Envelope 2**

Price Format ( Part B ) duly filled in ( both words & Figures ) , signed by Authorised Signatory and duly stamped .

“Both the sealed envelopes should be put in another envelope (Envelope – 3) superscribed with “Tender for Repair Work at BHEL Flats DN Nagar”.

Bidders shall submit an EMD of Rs 25,000 by payment through DD and enclose the proof along with the Technical bid .

The Bidders shall visit the site and study our exact requirements to be done before submitting quotation. Your quotations have to be complete in all respects. All relevant portions of Part A & Part B should be filled. Incomplete quotations will not be considered. BHEL reserves the right to reject any or all quotations without assigning any reasons.

Bidders shall take the following points in consideration while submitting the bids:

- a) Bidders shall quote the rates in the prescribed Format in Part B.
- b) Authorised representative / consultant of BHEL shall inspect the work regularly during various stages of work.

**The Bids addressed to Senior Manager (HR) must be submitted on or before 1530 hrs. on 25.05.2007 in the tender box placed at our office on the 15<sup>th</sup> floor, Centre I, World Trade Centre, Cuffe Parade, Mumbai – 400 005.**

Bids received after the due time and date or through telegram / fax shall not be acceptable. Bids with any overwriting or erasures are likely to be rejected .Corrections if any must be signed by the Authorised Signatory with stamp of the bidders .

The Price Bid shall contain the rates for each item as each item itemwise as listed in enclosed Price bid Format - Part ‘ B ‘ .

**The bids ( Technical Bid ) shall be opened in the office at 15<sup>th</sup> Floor at 1545 hours on 25.05.2007 in presence of bidders.**

Price bid ( Envelope – 3 ) of Bidders whose technical Bids are found to be acceptable will be opened subsequently with due information to the qualified bidders .

Thanking you,

Yours faithfully,  
For and on behalf of BHEL

(Ramesh Sarma)  
Senior Manager (HR)

Encl: As above.

**BHARAT HEAVY ELECTRICALS LIMITED**

**REGIONAL OPERATION DIVISION MUMBAI - 5**

**PART – ‘A’**

**TECHNICAL CUM COMMERCIAL BID ( TO BE FILLED IN BY BIDDERS )**

**TENDER NOTICE NO: RE:MUM:HRD:CW 0269:002 DATED : 9.05.2007**

1. Name of the Party :
2. Address & Phone No :
3. Structure of the Party : Proprietorship / Partnership / Public Ltd  
(Tick Mark as applicable) (Copy of relevant documentation to be enclosed)
4. Nature of work :
4. Tender Notice No & Date, Item No :
5. Payment of EMD - By / DD ( Details ) :
6. Particulars of experience / credentials :  
  
Past Experience (Works Completed) in last 5 yrs  
Details of minimum 3 works of 5 lakhs of each Repair and Renovation Work executed by you :  
(Enclose Copy of Work Orders)
7. Details of Registration - Class of Registration as Civil Contractor with  
Local PWD / BMC / MHADA (MBRR Board) , any other govt agency enclose copy
8. Financial Soundness (Value of Solvency Certificate ) - Rs10 Lakhs :  
- enclose current (not less than 1 year) Solvency certificate from a scheduled Bank
9. Registration for your workers under Employees State Insurance Scheme (ESI) – ESI No
10. Provident Fund code allotted to your organisation for Remitting under Provident Fund Scheme  
Code
11. PAN No with proof (in case not available, proof of having applied  
with acknowledgement from concerned  
authorities to be enclosed) :

Signature of the Bidder

Seal

## **General Scope of Work**

As per the preliminary survey undertaken by BHEL's authorised Representatives, the work to be carried out as part of the scope of the Tender is given below:

### **I Water proofing treatments :**

#### **1) Water Tanks:**

At a number of places, the water drips on the Terrace roof from the Tank. After draining the stored water the Entire floor, side walls and ceiling of the water tank is to be scrapped / Emptied, re-floored to ensure that there is no leakage from any point. It may include the following:-

- a) Application of cement slurry & polymer based water proofing treatment to inside surface of the tanks.
- b) Water tank column plastering and strengthening wherever required.
- c) Replacement of water tank covers with rust proof coated covers.
- d) Painting of water tank on the interior and exterior surface with "UNIGLOSS" water proof paint (two coats).
- e) Replacement of GI fittings for water lines / replacement of GI lines, wherever required.

#### **2) Water proofing of terrace:**

- a) Providing Rust-proof Angles welded to solid rust proof Pipes for creating sufficient provision for drying clothes on both ends of the Terrace (for 20 flats) without any obstruction for free movement. .
- b) Roof cleaning and removal of all vegetation and fungal growth wherever required.
- c) Surface of the entire roof to be chipped, removed without damage to structure. It has to be re-floored / plastered maintaining proper gradient so that there is no accumulation of water on the top.
- d) Any gaps / possible gaps between roof and side walls as well as entrance of rain water drainage pipes to be properly scrapped / chipped and filled to avoid any seepage to side walls etc.
- e) Polymer based water proofing treatment on entire terrace surface.

### **II. Sanitation / Plumbing repair works:**

- a) From the terrace rain water pipe to be replaced and damaged pipe of cast iron to be replaced with new PVC pipe of ISI make.
- b) The soil and waste water line shall be replaced by new PVC pipe of ISI make .
- c) From water tank the running GI pipe lines (water) and the totally damaged water pipe lines from kitchen / bathrooms on exterior of the building shall be replaced with medium class galvanised iron pipe, Tata / Zenith make 'B' class.
- d) All damaged and old sanitary pipes will be replaced with new PVC pipe
- e) Cement plastering of tee joints to be done wherever necessary.

- f) Removal of branches of plants / small shrubs growing in walls, roots by chiselling the area, breaking the plaster if found necessary, applying chemicals to avert their re-growth, plastering the area from where plants / shrubs / roots have been removed.
- g) Thorough cleaning of Sewage Manhole Trenches located at the rear of the building including replacement of damaged manhole covers wherever required .

**Note :**

- 1. The contractor shall undertake the sequence of repairs in a manner which would cause minimum disturbance to the residents, least noise and dust pollution, avoid any duplication of work, maximum safety of the residents and BHEL property must be ensured.**
- 2. The measurements indicated in the schedule of items in price bid formats are only estimates prepared by our consultant based on the preliminary survey carried out by us. (However, the Bidders must inspect the site of the work and study the work to be carried out before preparing the bid and submitting to us.)**
- 3. Arrangements for drinking water through tankers from Municipal Authorities, till the time repairs are in progress and overhead tank is not usable, shall be made by the contractor for the residents of the building in their respective flats.**
- 4. Cleaning of roofs / associated area and disposal of all garbage, used pipes etc., would be the responsibility of the contractor.**

**BHARAT HEAVY ELECTRICALS LIMITED  
REGIONAL OPERATIONS DIVISION  
MUMBAI – 400 005**

**ANNEXURE – II**

**TENDER NOTICE NO: RE:MUM:HRD:CW 0269:002 DATED : 9.05.2007**

**TERMS AND CONDITIONS**

**1. Validity Period**

The Bid shall be valid for a period of 120 days from the date of opening of Tender

**2. Completion Period:**

Time is the essence of the contract. Work shall be completed in the earliest completion period but not later than four months from the date of award. The work shall be deemed completed on certification by BHEL's authorised representative / Consultant.

**3. Defect Liability Period**

12 months from date of Completion of the Work. During this period the Contractor will rectify all defects / shortcomings arising out of the work executed by him, to the satisfaction of BHEL.

**4. Tender Evaluation Criteria:**

The Bids shall be evaluated based on the lowest total price ( for all the items put together ) mentioned in Part 'B' Price Bid, including all taxes, duties and Government Levies as applicable.

**5. Splitting of Contract**

BHEL reserves the right to split the Contract i.e in parts there of or divide the work in to convenient groups and award the work to more than one agency.

**6. Safety during Execution**

All safety measures as required under various statutes, Mumbai Municipal Corporation rules & regulations etc are to be followed in the course of execution of the work .Jute Kantan screen to the scaffolding of external side of the building including removing the same after completion of the work to be arranged by the Contractor as a safety measure.

## **7. Payment Terms**

90 % payment will be made within a month of successful completion of the total work as detailed in the BOQ as well as the General scope of Work . 10% payment shall be retained by BHEL and shall paid after successful completion of the defect liability period ( or you shall deposit an equivalent amount in Bank Guarantee in Favour of – Bharat Heavy Electricals Ltd to be revoked after the defect Liability Period of !2 months ) .Payment will be made on actual measurement subject to a ceiling of 10 % of the specified quantity . The measurement shall be taken by the authorised representative of BHEL / Consultant jointly with the contractor . For this purpose the Contractor shall maintain a measurement book , BHEL’s authorised representative / Consultant shall have the right to inspect the same at any time during the execution of the contract .

## **8. Risk Purchase:**

In case the work described in Annexure I is not completed within the schedule mentioned as above, BHEL reserves the right to get total work / unfinished work through any other Contractor / agency at your cost and risk. The cost so incurred in this event will be deducted from the outstanding bills .

## **9. EMD**

EMD of Rs 25,000/- shall be payable by each bidder and he shall enclose with his Bid the proof of payment accordingly . The payment shall be in the form of Pay Order / DD in favour of Bart Heavy Electricals Ltd .The EMD shall be Refunded to the Unsuccessful Bidder after sending the Intimation for Rejection of the Bidder . In case of the successful Bidder the EMD shall be retained and get Converted as part of the Security Deposit and in either case shall not carry any interest .

EMD shall be forfeited by the bidder if

- (III) After opening the bid , the bidder invokes the bid submitted within the Validity Period or increases the quoted rates or puts additional conditions .
- (II) The Bidder does not commence the Work as per the LOI or Contract .
- (III) Offers without EMD enclosed shall be considered as unresponsive and therefore rejected

## **10. Security Deposit:**

Security Deposit would be collected from the successful Bidder .

The successful tenderer is required to furnish a security deposit @10% of the contract value before the start of the work.

Security deposit may be furnished in any one of the following forms:

- i) Pay order, Demand Draft in favour of BHEL.
- ii) Local cheques of scheduled banks, subject to realisation.
- iii) Securities available from Post such as National Savings Certificates, Kisan Vikas Patras etc.
- iv) Bank Guarantee from scheduled banks / public financial institutions as defined in the Companies Act subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The bank Guarantee format should have the approval of BHEL.
- v) Fixed Deposit Receipt issued by Scheduled banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL duly discharged on the back.

Acceptance of security deposit against sl nos. v) and (vi) above will be adjusted to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

Security deposit shall be released after successful finalisation of the contract with no claim on either side .

#### **11. Clearing the site**

The contractor shall clear the site after completion of works and before claiming final payment, otherwise BHEL will get the said things cleared / cleaned at contractor's cost which will be deducted from the Contractors bills/ retention money.

#### **12. Water and Power**

Water and Power to be used only for the purpose of carrying out the entire repair works mentioned above shall be provided free by BHEL.

#### **13. Taxes and duties**

Taxes and duties ( if any ) along with the rates are to be added to the price quoted in the Price Bid ( Part B ) .

#### **14. Variation in Quantity**

Permitted up to 10 % at the contracted rates, terms and condition

#### **15. Additional work / Extra Items**

In the course of execution of the Repair work , if it is felt technically desirable to execute some additional / extra work , the same shall be undertaken by the contractor without extending the completion period . The rates for such items shall be worked out as under : -

- 1 ) Derived from Similar Items of contract wherever possible .

2 )If not possible to be derived from similar items of work of the above contract , then the rates of MHADA PWD DSR 2006 – 07 for such similar items of work shall be used .

For non DSR items the rates shall be derived from Fundamentals i.e Rate Analysis taking into account various components that are taken into consideration by the Govt Authorities during formulation of their DSR and to this rate so arrived at 10 % shall be added to take into account the Profit and overheads of the Contractor. The decision of the BHEL Representative / Consultant shall be final in this account.

## **16. Materials**

Materials of Approved Brand and manufacturers as per enclosed list (Annexure III) shall be used .

## **17. General Terms**

BHEL shall have privity of contract only and will give instructions to the contractor or his authorized representative. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer-employee relationship.

The contractor shall maintain regular contact with the designated employee(s) of BHEL/ Consultant and will interact on matters relating to the work awarded under this contract.

The decision of BHEL regarding interpretation of any of terms and conditions set forth in this agreement shall be final and binding on the contractor.

Any matter arising out of or in connection with the agreement shall be under jurisdiction of Court at Mumbai only .Not with standing anything contained in this Agreement, the contract may be terminated by BHEL without assigning any reason there of by giving a notice of 30 days to the contractor.

The contract will commence on date of Award of the Work Order and will remain valid for till the completion of all assignments.

Arbitrator in case of any arbitration / differences in execution of the contract shall be one of BHEL Executives at the level of DGM who shall be the sole Arbitrator and his decision shall be final

## **CONTRACTOR**

### **Signature and Seal**

## ANNEXURE – III

**LIST OF MATERIALS**

- |    |                         |   |  |
|----|-------------------------|---|--|
| 1. | G.I. Pipe               | : | TATA or ZEMOTJ “B” Class   |
| 2. | Water proofing compound | : | Sunanda Chemicals, Unigloss, Krishna Chemicals, Durobond                           |
| 3. | For all type of paint   | : | Asian, Garware, British Paint, Jenson Nicholson, I ICI or any other approved make. |
| 4. | Glazing                 | : | Indo Asahi Glass Co. Ltd., Modiguard or any other approved make                    |
| 5. | Cement                  | : | Grade 43/53 of L&T, ACC/Ambuja   |
| 6. | Plumbing                | : | Jagaur   |
| 7. | Sanitary                | : | Hindustan, Parry, Cera   |
| 8. | Electrical Switches     | : | Anchor, Roma   |
| 9. | Drainage Pipe PVC       | : | Supreme/Prince   |

Materials out of the list stated above will be selected jointly by BHEL and it's consultant.

( Letter of Compliance in Company's Letter Head )

Date :

To ,

M/s Bharat Heavy Electricals Limited ,  
15<sup>th</sup> Floor World Trade Centre – 1 ,  
Cuffe Parade , Mumbai – 5

Sub : Your Tender no RE : MUM : HRD CW 0269 :002 due on 25<sup>th</sup> May 2007 .

Dear Sir ,

With reference to your above tender, we hereby confirm that all the terms and conditions of your above Tender are acceptable to us and our offer is based on the same.

We have submitted the price bid in your price bid format only without any deviations /conditions.

We also confirm that if any deviations / conditions in the Price bid is mentioned , the same will not be entertained by BHEL

Thanking you ,

Yours faithfully ,

SIGNATURE AND SEAL OF THE BIDDER



TENDER DOC : RE :MUM: CW 0269 :002

**BHARAT HEAVY ELECTRICALS LIMITED**

**ROD : MUMBAI**

**PART 'B' – PRICE BID**

**SCHEDULE OF ITEMS**

**NAME OF WORK : REPAIR WORK OF BHEL OFFICERS FLATS, BUILDING NO. 4, D.N. NAGAR, ANDHERI (WEST), MUMBAI**

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
A						
1	<b>Removing</b> existing waterproofing from terrace including <b>I.P.S./brick bat coba</b> etc.15cm to 18cm.thick without damages to structure levelling and cleaning the surface for providing new specialised waterproofing treatment complete as directed and lowering the debris from terrace without causing dust nuisance and damages to structure and carting away the same out of premises and dumping the same at authorised dumping site.(split-up of breaking item same as 2A,2B	Sq mt	470			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS. ( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
2	Providing chemical waterproofing and polymer treatment to reinforced cement concrete members, such as slab, R.C.C. walls slab ceiling, beams etc. including breaking loose, bulging concrete, till sound surface is received, cleaning reinforcement bars of all rust, loose scales from surfaces of reinforment by light hammering, wire brushes, chemical application of approved make and as per Architect instruction or manufacturer's specification for rust resistance, including applying polymer bonding coat of cement and polymer in prop. of 1 cement, 1 polymer chemical as per manufacturers specification in two coats and applying polymer modified mortar 1 polymer, 5 cement, 15 sand in layers of 12mm thick upto and inclusive total thickness upto 25mm. and applying final coat of cement plaster finishing smooth incl. curing, scaffolding etc. complete. <b>(Terrace portion i/c watta at junction of Terrace and parapet wall)</b>	Sq mt	292.			
2B	Providing chemical waterproofing and polymer treatment to --Do-- specification for rust resistance, including applying polymer bonding coat of cement and polymer in prop. of 1 cement, 1 polymer chemical --do-- applying final coat of cement plaster finishing smooth incl. curing, scaffolding etc. complete. <b>( External and internal surface of Overhead watertank ; top,bottom and side of watertank)</b>	Sq mt	177.			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS. ( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
3A	<b>Strengthening the load bearing walls by removing existing plaster cracks an loose, open joints of the masonry filling hollows wherever found necessary with bricks, laid in rich cement mortar replacing broken bricks and broken cornices and replastering with 1:3 cement mortar 25mm to 30mm thick in two coats including etc. complete a directed. Curing, scaffolding, carting away the debris from site and dumping the same at authorised dumping place (External rearside walls of kitchen portion from Ground to top)</b>	Sq.mt	276			
3B	<b>Strengthening the load bearing walls by removing existing plaster cracks an loose, --DO-- Curing, scaffolding, carting --DO-- (External Leftside of Building from Grd to Top.)</b>	Sq mt	129			
3C	<b>Strengthening the load bearing walls by removing existing plaster cracks an loose, --DO-- Curing, scaffolding, carting --DO-- (External Duct portion of Toilet Block)</b>	Sq mt	165			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS. ( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT
				In Figures	In Words	
1	2	3	4	5	6	7
4	<b>Removing the existing cement plaster</b> with neeru or --DO--the site as directed. <b>(For pump-house internal plaster)</b>	Sq mt	40			
5	<b>Providing cement plaster 20mm thick in two coat</b> in cement mortar 1:4 with neeru finish --DO-- etc.complete. <b>(For Pump-House internal plaster)</b>	Sq mt	40			
6	Providing and laying <b>cement concrete flooring 40mm thick</b> with 1:2:4 cement concrete including waterproofing --Do-- 30cm x 30cm or in any colour as directed & curing complete. <b>(For Top of Pump-House)</b>	Sq mt	10			
7	Cutting down small shrubs / plants protruding from the walls of the building on the external side and also on the terrance of the building.	each	36			
	<b>PLUMBING &amp; SANITARY WORKS</b>					
8	<b>Removing drain pipes</b> (soil,waste water,ventilating or rain water) any size with all fittings including scaffolding if necessary etc.complete.	Rmt	356			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
9	Providing & fixing P.V.C. Rain Water Pipes 110mm outer dia and having wall thickness of 2.2 to 2.7mm conforming to IS 13592-1992 including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number, filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes of C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 years for any leakage or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from Engineer in charge complete.	Rmt	72			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
10	Providing and fixing P.V.C. soil/waste water pipe 110mm outer dia and having wall thickness of 3.2 to 3.8mm conforming to IS 13592-1992 including proper rain water receiving recess with P.V.C. plug bend, necessary fittings such as offsets, shoes including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall and fixing with clips of approved quality and number, filling the joints using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 years for any leakage or dislocation of pipes. All the PVC fittings and additional two piece socket clips shall be got approved from Engineer in charge complete.	Rmt	80.			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
11	Providing PVC pipe upto and incl. 75mm dia etc. full description as above	Rmt	204			
12	<b>Removing &amp; Refixing G.I.galvanized pipes with all fittings</b> complete including cleaning any size and applying two coats of painting including scaffolding if required etc complete.	Rmt	20			
13	Providing & laying <b>15 mm dia medium class galvanized iron pipe</b> having 21.3 mm outer dia & 1.274 kg.per meter weight to <b>walls ceiling floors</b> etc.with screwed sockets,backnuts,elbows,tees, reducers, enlarges,plugs clamps etc.including necessarydrilling holes in walls/slab etc.	Rmt	95.			
14	Providing & laying <b>in trenches 20 mm dia medium class galvanized iron pipe</b> having 26.9 mm outer dia & 1.642 kg.per meter weight to <b>walls ceiling floors</b> etc.with screwed sockets,backnuts,elbows,tees, reducers, enlarges,plugs clamps etc.including necessary drilling holes in walls/slab etc.	Rmt	50.			
15	Providing and laying <b>25 mm dia medium type galvanised iron pipes</b> having 33.7mm outer dia and 2.525 kg/meter weight to walls ceiling floors etc. with screwed kets,backnuts,elbows,tees, reduces,enlarges,plug s,clamps,etc.i/c necessary drilling holes in walls/slab etc.	Rmt	70			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
16	Providing & laying <b>32 mm dia medium class galvanized iron pipe</b> having 26.9 mm outer dia & 3.247 kg.per meter weight to <b>walls ceiling floors</b> etc.with screwed sockets,backnuts,elbows,tees, reducers, enlarges,plugs clamps etc.including necessary drilling holes in walls/slab etc.	Rmt	54			
17	Providing & fixing <b>15 cmx10 cm salt glazed gully trap</b> in cement concrete 1:4:8 outside the building including connecting salt glazed stone ware pipe brick masonry chamber with <b>Cast Iron lid</b> grating for the gully trap curing etc.complete.	each	4			
18	Providing 100mm dia SWG Pipes		6			
19	Removing SWG pipe upto 150mm dia - clearing and refer	Rmt	5			
20	Do 100 mm dia					
21	Providing & constructing brick masonry <b>inspection chamber 90cm x 45cm. and 90cm to 150 cm,in depth</b> including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels brick masonry plastering from inside & outside as required in cement mortar 1:3 and air tight <b>C.I.heavy type lid 1 ctw weight with frame</b> fixed in cement concrete 1:2:4 curing etc. complete.	each	2			

SI NO	DESCRIPTION	UNIT	QTY	RATE RS.( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
	2	3	4	5	6	7
22	Providing and fixing stop cocks in distribution water supply pipe lines of approved make incl. necessary fitting.					
	32mm dia	each	2			
	25mm dia	each	4			
	20mm dia	each	4			
	<b>GRAND TOTAL ( RS )</b>					

**Signature of Contractor**

**Seal**

SI NO	DESCRIPTION	UNIT	QTY	RATE RS. ( INCLUDING TAXES & LEVIES )		TOTAL AMOUNT RS.
				In Figures	In Words	
1	2	3	4	5	6	7
A	<b>REPAIRS &amp; WATER PROOFING OF UNDER GROUND WATER TANK</b>					
1	<b>Removing</b> existing waterproofing from terrace including <b>I.P.S./brick bat coba</b> etc.15cm to 18cm.thick without damages to structure levelling and cleaning the surface for providing new specialised waterproofing treatment complete as directed and lowering the debris from terrace without causing dust nuisance and damages to structure and carting away the same out of premises and dumping the same at authorised dumping site.(split-up of breaking item same as 2A,2B	Sft	125			



