



**Employees State Insurance Corporation  
DIRECTORATE (MEDICAL) DELHI  
ESI DISPENSARY-TILAK VIHAR  
NEW DELHI-110018**

**Tender Documents**

**Name of Work: - Annual Repair and Maintenance of Work of ESIC 27 Nos**

**Dispensaries 122 Nos Staff Qtrs , Operation & maintenance of 12 Nos Pump houses  
and 1 No. Electric substation at New Delhi/Delhi  
for one year .**

**Phone No. 011-28334561, 01128334572**



**DIRECTORATE (MEDICAL) DELHI ESIC DISPENSARY, TILAK  
VIHAR, NEW DELHI 110018**

**NOTICE INVITING TENDERS**

**Sealed tenders in two-envelope system are invited from the eligible contractors for providing Annual Repair and Maintenance Services listed under scope of work in this bid Document.**

Details of the project for which tenders are invited are as follows:-

**1. Name of Work:** Annual Repair and Maintenance of Civil and Electrical Work of ESI 27 Nos Dispensaries & 122 Nos Staff qtrs operation maintenance of 12 Nos pump houses and one electric sub- station at various dispensaries Delhi/New Delhi.

**2. Detail of Plinth Area:** - : Dispensaries - 14056 m<sup>2</sup>  
Staff Quarters – 122 Nos

**3. Scope of Services to be provided:** The Agency will be responsible for repair and maintenance of following works.

1. Internal/External electric works including H.T/L.T panels, Relays, Substation, Street lights, Electrical wiring, Staircase lights etc. for maintaining uninterrupted electric supply.
2. Water supply, Sanitary, Plumbing, Tube Well and Water Pumps operation & maintenance etc.
3. Storm water drainage, rain water harvesting and Sewage disposal work.
4. Building Repair and Maintenance of civil works including painting & white washing etc...
5. Landscaping and Horticulture work.
6. Operation and Maintenance of 1 Nos 440 KVA sub station at Tilak Vihar.

**Estimated Cost:** Rs. 64.40 Lakhs approx.

**4. Period of Contract:** (Twelve months).

**5. Eligibility Criteria:**

- i. The tenderers should have minimum three years experience as on 31.3.09 in works of similar nature.
- ii. They should have undertaken/completed the following work in the last 7 years .
  - (a) One similar work of value not less than Rs.51.50 lakhs per annum  
( Equal to 80% of the value of work to be executed)  
Or
  - (b) Two similar works, each of value not less than Rs. 32.20 lakhs per annum.  
( Equal to 50% of the value of work to be executed)  
Or
  - (C) Three similar works of value not less than Rs. 25.50 Lakhs per annum  
( Equal to 40% of the value of work to be executed)

**6. Earnest Money:** Rs.1.288 lakhs (to be deposited along with tender, in form of DD/Bankers Cheque favoring **ESIC FUND A/C No. 1** payable at **Delhi/N. Delhi**).

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**7. Cost of Tender:** Rs. 1000/- (Non refundable), by DD/Pay order in favour of **ESIC FUND A/C No. 1** payable at **Delhi**.

**8. Tender document:** Prescribed Tender documents containing terms and conditions can be obtained in person on submission of written request alongwith a demand draft of Rs. 1000/- (non refundable) in favour of "ESIC Fund A/c No. 1" from the Estate Cell (M) of the **Directorate (Medical) Delhi office, ESIC Dispensary, Tilak Vihar, New Delhi-110018** on all working days except Saturday, Closed/public Holidays between 11 A.M. to 4.00 P.M. w.e.f. 18.8.09 to 3.9.09. The Tender document can also be downloaded from the website [w.w.w.esic.nic.in](http://w.w.w.esic.nic.in). which should be accompanied by the requisite tender cost of Rs. 1000/- in the form of demand draft/pay order payable at New Delhi in favour of The "ESIC Fund Account No. 1".

**9. Last date of submission of Tender:** 4.9.2009 upto 1 pm in the tender box kept in office room no. B-1, of Jt. Director (A), D(M)D.

**10. Date of opening of Tenders:** The tenders shall be opened in the presence of the tenderers who choose to be present on the same date on 4.9.2009 at 2.30 pm in the conference room 'A' Block . In case 4.9.09 is declared a public holiday, tenders shall be received and opened as per above schedule on next working day.

**11.** Incomplete, conditional or telephonic bids will not be considered and summarily rejected.

**12.** The competent authority reserves the right to accept or reject any or all applications without assigning any reason.

**DIRECTOR (MEDICAL) DELHI**

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## **MAINTENANCE OF CIVIL & ELECTRIC WORKS INCLUDING LABOUR AND MATERIALS.**

### **OPERATION SCOPE OF SERVICES TO BE PROVIDED BY THE AGENCY.**

1. Internal Electrical works.
2. Water supply, sanitary and plumbing works.
3. Storm water drainage, rain water harvesting & sewage disposal works.
4. Building repair and maintenance of civil works in 27 Nos dispensaries.
5. Land scaping and horticulture work.
6. Repair and day to day maintenance of Pumps, HT/LT Sub Station (11 KV/440 V) with Servo Stabilizer and HT/LT Transformers .
7. White Wash and Painting of Dispensaries and Residential Colonies as per CPWD norms.
8. Maintenance of External Wiring and Street light of the Dispensaries and colony.
9. Cleaning of Sewer lines of the Dispensaries and colony .
10. Cleaning of Storm water drains and rain water harvesting pipe and structures.
11. Uninterrupted water/electric services in the Dispensaries and colonies and local office.
12. Water supply to be arranged through tankers in case of shortage of water supply which may be due to any reason . The supply of tankers to be made from M.C.D. Jal Board or other sources.
13. Water should be tested from **Shree Ram Lab** or any Govt. approved Lab on the Quarterly basis.
14. U/G tanks O/H tanks are required to be cleaned periodically.
15. Man power Attendance Register is to be maintained.
16. Civil, Electric Engineers should be available at site.
  
17. Uniform, Identity Cards, Name Plates and identity cards have to be provided to each and every Staff by the contractor. Bio- data of each staff should be maintained and whenever asked have to be shown immediately.

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18. All Tools, Plants and materials to carry out the ARM work at site are to be provided by the Contractor.
19. Operation of the existing Water Tube -well for uninterrupted water supply.
20. Operation and Maintenance of the existing sewage disposal pump in the Dispensaries Complex.
21. The Agency shall have to display on notice board in every dispensary, the name of maintaining agency alongwith Supervisor's name to be contacted with Telephone Nos for lodging the complaints.
22. The agency shall be responsible to depute their supervisor in each dispensary once in a week and to meet IMO/Incharge's and note complaint.

**INSTRUCTION TO THE TENDERERS**

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1. Sealed offers under two envelop systems in the prescribed forms are invited from eligible tenderers for providing Annual Repair and Maintenance services listed under scope of services in the bid documents.
2. The amount of earnest money deposit (EMD) shall be Rs. 1,28,800/- (Rupees One lakh twenty eight thousand and eight hundred only) in the form of DD/Pay Order, drawn in favour of **ESIC A/C No. 1** payable at **New Delhi**.
3. Tender form shall be completed in all respect. Incomplete tenders or tenders without E.M.D shall be treated as invalid.
4. Last date of submission of tenders is 4.9. 2009 upto 1 P.M.
5. Date and time of opening of tender is 4.9.2009 at 2.30 P.M.
6. (i) Each and every page of the tender documents should bear the stamp and signature of the authorized representative/quoting firm. Format I, II & III enclosed shall be filled without exception. The tenderer shall also enclose the latest **Income Tax Clearance Certificate** proof of VAT/works contract Tax Registration where applicable.  
  
(ii) Self attested copies of valid ESIC Registration NO and valid Provident Fund Registration number should also be enclosed with Technical Bid.
7. The rates for each and every item shall be quoted in Figure and words. In case of any discrepancy in rates, the rates written in words shall prevail.
8. The envelope containing tender document shall be sealed and bear the name of work and the name and address of the tenderer.
9. The sites for the work are dispensaries & staff qtrs in the colonies can be seen on any working day during office hours by contacting Engineers/Estate Branch.
10. The Competent Authority of ESIC, reserves the right to accept or reject any tender or all tenders without assigning any reason.
11. Conditional tenders are liable to be rejected.

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12. The tender for the work shall remain open for acceptance for a period of sixty days (60) from the date of opening of tender.
13. These instructions shall form a part of the contract document.
14. The EMD of unsuccessful tenderers shall be refunded within one month after the award of work to the successful tenderer.
15. Rates quoted shall be firm and fixed and are inclusive of cost of manpower, material, machinery, tools and plant etc., all taxes (including service tax), duties and levies, insurance etc. no escalation of whatsoever nature shall be payable.

**16. Fraud and Corruption**

The Bidders, Suppliers, Contractors and Consultants, observe the highest standard of ethics during the procurement and execution of such Contracts. In pursuit of this;

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution.;

(ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the borrower, designed to establish bid prices at artificial, non-competitive levels; and

(iv) “coercive practice” means harming or threatening to harm, directly or indirectly, person or their property to influence their participation in the procurement process or affect to execution of a contract.

(b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practice in competing for the Contract in question.

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17. **Eligibility criteria:** (i) The tenderer should have minimum three years experience in works of similar nature.

(ii) The tenderers should have undertaken/completed the following work in the last 7 years.

a. One similar work of value not less than rupees 51.50 lakhs per annum (Equals to 80% of the value of work to be executed)

Or

b. Two similar work of value not less than rupees 32.20 lakhs Per annum (Equal to 50% of the value of work to be executed)

Or

c. Three similar work of value not less than rupees 25.50 lakhs Per Annum (Equal to 40% of the value of work to be executed)

The contractor on his own may divide 27 Nos dispensaries into 4 to 5 sub groups for deployment of different categories of manpower for AR&M work for such sub-group.

Minimum Nos of workers to be deployed for AR&M work for attending to day to day complaints for maintenance purpose in

4 Nos group has been shown category wise in format III A. Workman requires on 24 hours notice have been shown in format III B.

Workers with technical Qualification and experience required for operation maintenance and repairs of electric sub-station, Tilak Vihar have been shown in format III C.

(iii) The tenderer should have minimum man power cover the requirement of format III A, B and C.

(iv) Average annual financial turnover during the last 3 financial years should be at least 30% of the value of the work to be executed. (Copy of balance sheet signed by Chartered Accountant to be submitted).

d. The tenderer would be required to establish its office with telephones within the site of the work in the space provided by the ESIC.

18. **Submission of bids:** Proposals should be submitted in two separate envelopes namely, **Technical Bids** and Financial **Bids**. The technical and financial bids duly sealed in separate envelopes must be kept inside a single third envelope and clearly superscribed as **Annual Repair and Maintenance work of 27 Nos Dispensaries, 122 Nos Staff qtrs and works contingent their to at Delhi/New Delhi** Envelop should be clearly marked as **Technical Bid (Envelope -I)** and **Financial Bid (Envelope -II)**. This third envelope shall also contain the EMD.

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**19. Evaluation of Technical Bids:** Bids received and found valid will be evaluated by the ESIC to ascertain the best-evaluated bid for the complete work/services under the specifications and documents. The tenderer should take care to submit all the information sought by the ESIC in prescribed formats I & II.

- a. Firm's relevant experience and strength – Profile of agency, registration details, experience of similar works, annual turnover, total manpower employed.
- b. Qualification/Related experience.

In case photo state copies of certain documents are submitted in respect of profile of the firm in the format I & II original documents will have to be produced by the bidding firm /contractor for verification & evaluation of Technical Bid.

**20. Financial Bid:** The financial bid of the tenderers, whose technical bid is found to be suitable, will be opened in the presence of only those successful tenderers, who choose to attend the opening of financial bid. Minimum two-day notice will be given to tenderers for this purpose.

**21. Award of Work:-** The selection of the agency will be at the sole discretion of the ESIC who reserves its right to accept or reject any or all the proposals without assigning any reason.

- I. The contract for the Annual Repairs and Maintenance shall be awarded to the best qualified responsive tenderer.
- II. Upon evaluation of offers the notification on award of contract will be intimated to the successful tenderer

22. Duly filled Offer Document should be deposited in the Tender Box kept in room No B-1 on before 4.9 .2009 upto 1.00 PM at following address.

**Joint Director (Admn)**  
**Directorate (Medical) Delhi**  
**ESI Scheme, Dispensary Complex,**  
**Tilak Vihar, New Delhi-110018**

22. Delayed /late tenders for whatever be the reason will summarily be rejected.

23. Tender form issued to :-

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( V.K. TANEJA)  
**ASSTT. DIRECTOR (ADMN.)**  
 DIRECTORATE (MEDICAL) DELHI  
 ESI DISPENSARY-TILAK VIHAR  
NEW DELHI-110018

**TECHNICAL BID (PART-A)**

**Format I**

**BRIEF DESCRIPTION OF THE FIRM**

(With an outline of the experience of the firm for similar works during last three years)

- a) Name of the firm
- b) Year of registration
- c) Type of firm (Individual/Proprietary/Limited Company or any other)
- d) In house facilities available in following fields.

S.No.	Fields	Manpower with more than 10 years experience	Manpower with 5 to 10 years experience	Manpower with lesser than 5 years experience
1.	Original/Annual repair works (civil)			
2.	Laying/Repair and Repair and Maintenance of water supply, plumbing sewerages, drainage AND operation maintenance of pumps			
3.	Electrical work			

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4.	Operation and maintenance including ARM of sub station			
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**Note:-**

(a) Provide documents in support of the details provided in above format, failing which the authenticity of the information may not be accepted.

(b) Also refer to instructions to the tenderers for the documents to be submitted by Agency/contractor.

Use additional sheets if space available in the format 1 is inadequate.

**Format II****EXPERIENCE OF COMPANY**

(Experience of relevant and similar work of construction, pipe laying/annual Repair and Maintenance completed during last three years preceding March, 2009 and ongoing works) Use separate sheet for each work.

1.	Project title and Location	
2.	Name of the Client and Address	
3.	Describe area of Participation (Specific Work done/Services rendered by the applicant)	
4.	Period of Work Done/Services rendered for the project	
5.	Total cost of work/AMC cost	
6.	Date of start of the work and the present status	
7.	Any other details	

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**NOTE:**

Supporting documents like certificates from the clients in support of each of the above projects to be furnished.

**Format - III****MINIMUM MAN POWER TO BE AT SITE FOR CIVIL WORKS.**

**A** The following minimum manpower is to be deployed in daily day time shift as mentioned against each.

S.NO	CATEGORY	QUALIFICATION & EXPERIENCE	No	DUTY HOURS.
1.	<b>Supervisor</b>	Matriculate with experience of AR & M work	4	*1 No. per sub group
2.	<b>Electrician</b>	ITI Elect. Exp. In maintenance with valid licence	4	1 No. per sub group preferably during morning shift of Dispensary
3.	<b>Plumber</b>	ITI fitter/plumber Exp. In AR&M work	4	1 No. per sub group preferably during morning shift of Dispensary
4.	<b>Mali</b>	Experience in Gardening/Horticulture	2	1 No. per two sub groups of various Dispensary as per requirement
5.	<b>Pump operators</b>	ITI Electrical, Experience in pump operation and maintenance	12	**1 No. per day/ per shift for each pump house

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\* working hours of dispensaries are from 7.30 A.M. to 7.30 P.M. for 6 days in a week

\*\* Pump operators to work for 6 days in a week in 4 Nos Dispensaries (details as per appendix-1) where there is no staff quarters. In other 8 dispensaries 8 Nos Pump operators are to work for 7 days in a week. Therefore, weekly rest to such workers may also to be arranged by the contractor.

B. The following manpower shall be available on call with 24 hours notice.

**MINIMUM MAN POWER TO BE AT SITE FOR CIVIL WORKS.**

S.NO	CATEGORY	Monthly expected manpower employment	Remarks
1.	Mason	15 days for all the 4 Nos sub groups	Experience of masonry and other Civil Construction works
2	Carpenter	15 days for all the 4 Nos sub groups	Experience of wood work construction and repairs
3.	Sewerman	4 Nos. one for each sub group for full month	-
4.	Mazdoor	One No for all the 4 Nos of groups for general cleanliness of dispensaries for full months	-

C. The following minimum technical manpower shall be available for operation, maintenance and repairs of electric sub-station at Tilak Vihar.

Sr. No.	Category	Qualification and Experience	Man power deployment	Duty Time
1	Supervisor	Diploma in Electrical Engineering . Experience in similar AR&M work of sub-station , and AC maintenance etc.	1 No. General Shift	Daily
2	Electrician	ITI Electrical . Experience in the similar AR&M work of sub-station	One per shift (Total 3 Nos daily)	Round the clock

**NOTE:** - Only Licensed/Certified Electrician & ITI qualified electrician trade Pump Operators who preferably have gained experience in similar work shall be deployed .

Preferably the other skilled worker deployed shall also be Licensed/certified. License of the electricians to be enclosed. Other certificates of the technical

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qualification also to be enclosed. All the above Staff on the Contract shall wear uniform and batches identifying their category and name in English and Local Hindi Language .

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### FINANCIAL BID (PART B)

**Name of work:** A.R.M. of Civil & Electric work at ESI Dispensaries Delhi/New Delhi.

#### ABSTRACT OF COST

##### A. Supply and Services of Workers as per schedule Format 111-A

S.No.	Description of Items	Unit	Rate	Amount(Rs.)
1.	Maintaining an office in space provided by ESIC and attending to Repair and Maintenance work with the above maintenance staff listed at Sr No. 1 to 4 of format-111A with all required helpers tools and plant in attendance six days in the week. For the category of staff at Sr. No. 5, working hours shall be adjusted as per Delhi Jal Board water supply hours and as per requirements by IMO Incharges Rates should include the weekly rest arrangement to the category of Sr. No. 5 where staff qtrs exist in the colony attached to the Dispensary.	One month		

**Note:** i) The Contractor shall maintain an inventory and use common miscellaneous sundry materials (Screws, nails, washers, internal fitting of taps, cap and valves, tanks, plumbing thread, safeda, clamps, hooks, cement, and patch repairs etc.) which are required for the work the cost of which is included in the above item.

ii) The above rates shall include the cost of any assistance of unskilled/semi skilled persons required by the skilled workers.

In case of absence of any of the above mentioned workers without providing suitable replacement, an amount of Rs. 300 per day shall be recovered as liquidated damages per person per day of absence.

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Name and Address \_\_\_\_\_

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B. **Supply of workers on call** :- The workers listed in format III B shall be available on call with 24 hours notice at the rates mentioned against each.

S. No.	Category	Monthly expected deployment (to be filled by ESIC)	Rate (for Sr.No 1,2 & 4 per day , for Sr. No. 3 per day and per month)	Amount	Remarks
1	Mason	15 Man days (for all 4 sub groups)			
2	Carpenter	15 Man days (for all 4 sub groups)			
3	Sewerman	4Nos for full month (one no for each sub group)			
4	Mazdoor	One no. full month (for all the 4 sub groups) for general cleanliness			

**Note :-** Payment shall be made for the actual days of employment. Attendance will be verified by the IMO Incharge of the Dispensary where the work has been actually got done.

For comparison purpose, the deployment shall be as per format-III (B)

C. **Supply and Services of Workers as per schedule Format 111-C for electric sub-station at Tilak Vihar.**

S.No.	Description of Items	Unit	Rate	Amount(Rs.)
1.	Maintaining an office in space provided by ESIC and attending to operation Repairs and Maintenance work of sub- station with staff listed at S.No. 1 to 2 of format III C with all required helpers tools and plant in attendance in three shift in all the days in the week including weekly rest arrangements.	One month		

**Norms for annual repairs and maintenance for Civil works**

**The following quantities of works are to be executed during the year 2009-2010 as per norms of ESIC**

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**Quantities to be executed**

S.No.	Items of work	In Dispensaries Building	Office Block	Residential Building
1	White washing	50%	50%	50%
2	Distemper	50%	50%	50%
3	Enamel Painting	50% in other area 100% in corridor, O.T.	50%	33.33%
4	Snocem	33.33%	33.33%	33.33%
5	Cleaning and disinfecting of water storage/distribution tanks, and water mains	Four times in a year	Twice in a year	Twice in a year
6	Cleaning of manholes /gully chambers / inspecting chamber	Twice in a year	Once in a year	Once in a year
7	Cleaning of storm water drains	Once in a year	Once in a year	Once in a year
8	Painting of Steel water tanks inside with bitumastic paint	100%	50%	50%
9	Polishing wooden doors/windows with spirit polish/ polish/ synthetic aerylic polish	20%	20%	20%
10	Collection of water samples for physical, chemical and bacteriological test jointly for user for confirming water potability as per BIS standerd	Four times in a year	Twice in a year	Twice in a year

**BILL OF QUANTITY**  
**FOR CIVIL WORKS**  
**ANNUAL REPAIRS AND MAINTENANCE OF ESI DISPENSARIES,**  
**Delhi/NEW Delhi**

Sl.	DSR Item No.	Item of Work	Unit	Quan tity	Rates		Amount (Rs.)
					In Figure	In words	

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<b>A. BUILDING WORKS</b>							
1	14.1.1	12-20 mm thick plaster in patch repairs in 1:4 mix of cement and sand mortar	M <sup>2</sup>	700			
2	6.4.1 + 15.7.4	Repair of Bricks work in patches of building, drains, Kerbs etc or where required in 1:4 mix of cement & coarse sand mortar, including dismantling of damage works.	M3	40			
3	11.3.1 + 15.23.2	Repairing of Plain C.C flooring in 1:2:4 mix concrete including dismantling of damage works	M <sup>2</sup>	200			
4	11.16.1 + 15.23.1	Repairing of 22 mm thick terrazotile flooring work 1:4 mix of cement and coarse sand mortar including dismantling of damaged floor	M <sup>2</sup>	200			
5	11.18.1 + 15.23.1	Repairing of terrazotile skirting with 1:3 mix mortar including dismantling of damaged tiles.	M <sup>2</sup>	40			
6	11.22.1.1 + 15.23.1	Repairing of Floor & wall tiles with 1:3 mix mortar, fixing of tiles with cement slurry and joints filled with cement including dismantling of damaged tiles in all toilets.	M <sup>2</sup>	100			
7	11.27 + 15.25	Repairing of Kota stone in dado with 1:3 mix of mortar and fixing of the same shade & size of stone piece as per existing including dismantling of damaged parts.	M <sup>2</sup>	20			
8	14.4.1	Making the opening in	M <sup>2</sup>	15			

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		existing brick masonry including dismantling of floor or walls and making good the same					
9	14.13	Repairing of roof terrace tilling with 1: 3 mix mortar including its dismantling	M <sup>2</sup>	300			
10	14.18.1	Flush pointing with 1:3 mix of cement and sand mortar on top of the terrace tilling	M <sup>2</sup>	300			
11	5.2.2 + 15.3	Repair of R.CC. work in 1:1.5:3 mix of cement, course sand & stone grit 2 cms. Size including dismantling of damaged concrete work	M <sup>2</sup>	10			
12	15.6	Extra for scrapping, cleaning & strengthening rein-forcement from RCC	Kg	200			
13	10.22	Repair & welding by gas or electric plant in windows, grills & iron works	Cms	4000			
14	14.5.10	Fixing of 4 mm thick plain glass panes in existing windows with pins and puttey including dismantling of damaged glass	M <sup>2</sup>	550			
15	14.9	Renewal of old glass puttey including removal of damaged glass puttey.	RM	600			
16	9.21.3	Providing & fixing of 25 mm thick board shutters for cupboard	M <sup>2</sup>	30			
17	9.47.1	P/F Curtain rod of 20 mm dice with C.P brackets in palmats	RM	80			
18	9.68.1	P/F oxidized M.S casement stay 300 mm long in windows.	Nos.	50			

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19	9.66.1	P/F oxidized M.S handles in windows.	Nos.	250			
20	9.96.1	P/F Aluminum sliding door bolts 300 x 16 mm size	Nos.	40			
21	9.97.1	P/F Aluminum tower bolts of 300 x 10 mm	Nos.	80			
22	9.97.2	P/F Aluminum tower bolts of 250 x 10 mm	Nos.	80			
23	9.100.1	P/F Aluminum Handles 125 mm	Nos.	80			
24	9.101.2	P/F Aluminum floor door stopper	Nos.	80			
25	14.43	Scrapping of old white/colour wash including its necessary repair & sand papering etc.	M <sup>2</sup>	12084			
26	14.46	Scrapping of old distemper, water proofing cement paint, surface, its necessary repairs, & sand papeing etc.	M <sup>2</sup>	14385			
27	Non DSR	Grinding, repairing and polishing of all mosiac floor & skirting	M <sup>2</sup>	500			
28	Non DSR	Grinding & Polishing of existing kota stone dedos & floors	M <sup>2</sup>	300			
29	9.51.2 + 15.38	Replacement of all damaged fly proof wire mesh in the Dispensaries Building	M <sup>2</sup>	500			
30	13.26	Providing & applying plaster of paris putti of 2 mm thick over plastered surface to give smooth finished surface	M <sup>2</sup>	1500			
31	22.14.1	Grading roof for water proof treatment with cement concrete 1:2:4 (stone aggregate 20 mm)	CUM	50			

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32	Non DSR	Replacement of broken AC sheets and pump houses , Car garage /parking	M2	50			
33	14.42.2	White washing with lime to give and even shade	M <sup>2</sup>	12084			
34	14.64.10	Water proofing cement paint on exterior surface of approved shade	M <sup>2</sup>	10306			
35	14.44	Dry distemper in one or more coat	M <sup>2</sup>	14385			
36	14.45	Oil bound distemper washable on wall surface one or more coat.	M <sup>2</sup>	2067			
37	14.54.1	Enamel painting on door, window & grills one or more coat.	M <sup>2</sup>	6192			
38	14.53	Wall painting with plastic emulsion paint	M <sup>2</sup>	350			
39	14.68.1	Painting with anti corrosive paint on rainwater pipes	M <sup>2</sup>	150			
40	10.5.1	P/F 1 mm thick M.S Sheet door with angle frame & necessary fittings in existing gates.	M <sup>2</sup>	6			
41	10.7	Changing of ball bearings for rolling shutters	Each No.	4			
42	21.3.20	P/F float glass pans of 5.5 mm thickness in aluminum doors.	M <sup>2</sup>	10			
43	21.16.1	P/F 100 mm round shape aluminum handles.	Each No.	4			
<b>Total</b>							
<b>B. SANITARY WORKS</b>							
1.	17.11	P/F white vitreous orisa WC pan of 580x440 mm size with P Trap and cistern	Nos.	10			
2	17.2.2	P/F white vitreous European type wc seat ISI marked with black solid seat cover	Nos.	10			

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3	17.4.1	P/F white vitreous china flat urinal basis 430x260x350 mm with automatic flushing cistern.	Nos.	10			
4	17.10.22	P/F stainless steel kitchen sink without drainage board 610x60x200 mm size	Nos.	12			
6	17.18.1	P/F of PVC low level flushing cistern with handle lever white	Nos.	25			
7	17.20.22	P/F black solid plastic seat cover with lid	Nos.	10			
8	17.28.2.2	P/F waste pipe 40 mm dia flexible	Nos.	50			
	17.28.2.1	-do- 32 mm	Nos	50			
9	17.32.2	P/F mirror with plastic moulded frame of 453x357 mm size	Nos.	20			
10	17.58.1 17.58.2	Providing lead caulked joints in CI pipes fitting 100 mm dia 75 mm dia	Nos.	60 60			
11	17.71	P/F PTMT liquid soap container of 105 gm.	Nos.	10			
12	17.75	P/F PTMT 15 mm urinal spreader	Nos.	20			
13	17.73.2	P/F PTMT Towel rail 600 mm	Nos.	10			
14	17.50.2	P/F white vitreous china Flat back on wall lipped front urinal basin 550X400m m	Each	35			
15	17.23	P/F white vitreous china wash Basin size 430X260X 350 mm	Each	15			
16	17.13.2	P/F white vitreous china ware WC Orissa pattern size 580X440mm	Each	25			
17	17.15	P/F white vitreous China ware pedestal type WC (European type)	Each	15			

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18	17.70.1	P/F PTMT Battle trap for WHB of size 31 mm single piece moulded with height of 27 mm	Each	40			
19	17.69.1	P/F PTMT waste compling for WHB & sink of approved quality & colour Size 31 mm of 79mm length for WHB	Each	100			
	17.69.2	Size 38mm of 83mm length for sink	Each	50			
<b>Total</b>							
<b>C. <u>WATER SUPPLY WORKS</u></b>							
1	18.10.1	P/F G.I pipes complete with G.I fittings & clamp including cutting & making good the walls internal exposed on walls  15 mm dia nominal bore	RM	60			
	18.10.2	20 mm dia nominal bore	RM	30			
2	18.11.1	P/F G.I pipes complete with GI fittings dully concealed including painting with anti corrosive paint  15 mm dia nominal bore	RM	120			
	18.11.2	20 mm dia nominal bore	RM	30			
3	18.12.1	P/F GI Pipe complete GI Fittings including trenching and refilling 15 mm dia nominal bore	RM	60			
	18.12.2	20mm dia nominal bore	RM	60			

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4		P/F G.M gate valves with CI wheel					
	18.17.1	25 mm dia nominal bore	Each	20			
	18.17.4	50 mm dia nominal bore	Each	4			
5		P/F Brass bib cock of approved quality					
	18.15.1	15 mm dia nominal bore	Each	35			
	18.15.2	20 mm dia nominal bore	Each	10			
6		P/F Brass stop cock of approved quality					
	18.16.1	15 mm dia nominal bore	Each	25			
	18.16.2	20 mm dia nominal bore	Each	10			
7		P/F ball cock valve (brass) of approved quality with plastic float					
	18.18.1	15 mm dia normal bore	Each	70			
8	18.48	P/F of PVC water storage tanks of 200,300,500 litres capacity with all its fittings etc. complete	Per litre	12000			
9	18.33	Construction masonry chamber 60x60x75 cms size	Each	3			
<b>Total</b>							
<b>D. PTMT BATH ROOM FITTINGS</b>							
1	18.54.2	P/F Bib cock 15 mm nominal bore 122 mm long	Nos.	40			
2	18.55.1	P/F Stop Cock 15 mm nominal bore size 86 mm long	Nos.	50			
3	18.56.1	P/F Piller cock 15 mm size 107 mm length	Nos.	20			
4	18.58.1.2	P/F grating of 125 mm nominal dia	Nos.	100			
5	18.75.1	P/F extension nipple 15 mm bore PTMT	Nos.	20			

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6	18.74.2	P/F P.V.C connection with PTMT nut collar of 15 mm nominal bore and 45 cms long	Nos.	40			
<b>Total</b>							
<b>E. DRAINAGE</b>							
1	19.19.1.1	P/F precast LD-2.5 RCC man hole cover of 600x450 mm size	Each	10			
2	19.19.2.1	P/F precast MD-10 RCC MH cover 500 mm nominal bore	Each	20			
3	1366	S/O CI grating 150x150 mm size	Each	50			
	1364	-do- 100X100mm		100			
4	7131	Square shape 350X350mm size precast RCC manhole cover with frame LD 2.5	Each	30			
<b>Total</b>							
<b>F. HORTICULTURE AND LAND SCAPPING WORK</b>							
1	23.2	Supply of good earth including royalties & carriage etc.	M <sup>3</sup>	20			
2	23.3	Supply of okhla sludge at site.	M <sup>3</sup>	5			
3	23.42	Supply of cow dung manure at site	M <sup>3</sup>	5			
4	23.9	Mixing up of earth & sludge or manure in appropriate specified.	M <sup>3</sup>	10			
5	23.8	Spreading of mixed sludge & earth	M <sup>3</sup>	30			
6	23.12	Uprooting rank vegetation and weeds by digging the area a depth of 60 cms, removing all weeds & other growth with roots by forking repeatedly	100 M <sup>2</sup>	200			
7	Non DSR	Supply of seasonal flower plants like roses, dog flower, marigold, dahlia, calendula, Chrysanthemum, gladiolus, etc.	Each	400			

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8	Non DSR	Supply of earthen gamla 30 cm.	Each	100			
9	Non DSR	Supply of R.C.C Gamla 30 cm to 45 cm	Each	50			
10	Non DSR	Supply of PVC curing pipe 25 m dia of superior quality	RM	100			
11	Non DSR	Painting of gamla with teracota paint (quarterly)	Each	100x4			
12	Non DSR	Painting of RCC Gamla with approved shade of enamel paint including priming coat.	Each	50x4			
13	Non DSR	Painting of weld/wire mesh jali of fencing of kyaries or parks etc.	M <sup>2</sup>	100			
14	Non DSR	Providing and planting ground cover hedge plants	Each	150			
15	Non DSR	Supply of Fertilizer (urea etc.)	Kg	50			
16	Non DSR	Supply of Horticulture T&P (Khurpi 2 Nos.), Rambi 2 Nos Pharas 2 Nos, Genti – 2 No. Plant scissor, Grass Cutter machine, Tasala 4 No.)	L.S	L.S			
<b>Total</b>							
<b>G. GENERAL MAINTENANCE WORKS</b>							
1	Non DSR	Cleaning of sludge from existing sewer tank (once in a year)	L.S	2 no			
2	Non DSR	Cleaning of existing man holes/guly chambers/inspecting chambers etc & existing sewer and storm water lines, including disposal of all silt etc. Municipal dump.	L.S	30			
3	Non DSR	Cleaning and disinfecting of UGR of water storage including its chlorination etc. complete	Each	27			

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4	Non DSR	Testing of water from Shri Ram Institute, lab for physical, chemical and bacteriological test confirming water portability as per BIS standard	Each	27 Nos.			
5	Non DSR	Lifting and lowering of submersible pump and increasing depth of suction pipes if required	Each	4Nos.			
6		Repairs and rewinding of submersible pump set of capacity 1-1.5 HP Single phase motor 3 HP Single phase motor	Each Each	3 1			
7	Non DSR	Repairing of Monoblock pump including changing of impeller and coupling etc.	-	5			
8	Non DSR	Providing bearing for monoblock pumps	Each	5			
9	Non DSR	Providing G.M. bush for monoblock pump	Each	5			
10		Rewinding of 3 HP 3 Phase motor of Monoblock pumps including its oiling, greasing, changing of packing etc.	Each	3			
11	Non DSR	Complete overhauling of electric motor & monoblock pumps up to 1 HP including its oiling, greasing, changing of packing etc.	Each	4			
12	23.12	Cleaning of jungle or undesired grass etc & its disposal	100 sqm	2000			
13	Non DSR	Removing water seepage by repairing of joints of traps, junctions of wall tiles & floors etc.	Each Job	8			
14	Non DSR	Cleaning of existing bore	Each	3			

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		well with compressor /sumbersible pump to gave clear water free from sand particles	Job				
15	Non DSR	Repairing of patches in damaged cc roads including dismantling of damaged portion	M <sup>3</sup>	25			
16	Non DSR	Repair/Replacement of damaged starter & its servicing	Set	5 Sets			
<b>Total</b>							

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## BILL OF QUANTITY FOR ELECTRICAL WORKS

### ESI DISPENSARIES, STAFF QTRS ETC. DELHI/N.DELHI

**Name of work:** - The Annual Repair, Maintenance & operation ESI Dispensaries, 27 Nos staff qtrs. 122 Nos , pumping station 12 Nos and one no. electric sub station at Delhi/N. Delhi for one year.

The following Electrical items are in **Section A** for day to day maintenance of electrical works to maintain trouble free round O' Clock electrical supply in the Dispensaries and Colony. All electrical materials/items are required to be used **ISI** approved only.

#### **(A) Electrical Maintenance: - Dispensaries and colony (Materials only)**

Sl No	SOR No.	Details of Items	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	NDSR	i) Overhauling of Ceiling and Exhaust Fan	Each	1259		
	NDSR	ii) Replacement of Fan Capacitor	Each	252		
	NDSR	iii) Fan winding (Copper wire)	Each	252		
	1.55	iv) Fan Spray Enamel paintings As per IS : 2932-1974 or its latest	Each	252		
	NDSR	v) Replacement of Ball bearing	Each	252		
2	NDSR	Replacement of bush	Each	126		
	NDSR	Replacement of HPSV Choke	Each	506		
3	NDSR	Replacement of HPSV lamp (70W)	Each	28		
	NDSR	Replacement of HPSV Choke	Each	28		
4	NDSR	Maintenance of Street Light ( HPSV 70 W)	Each	100		
		i) Painting of Poles (Street light)	Each	100		
		ii) -do- wall brackets	Each	50		
5	1730	Replacement of <b>20 A</b> AC Top box	Each	48		
6		Repairing of tube lights fittings 40/20 W	Each	510		
		Replacement of Tube Light	Each	430		
		Replacement of Copper Chowk	Each	310		
		Replacement of Starter	Each	310		
8	1706	Replacement of MCB's SP <b>(6-32) A</b>	Each	350		
		Replacement of MCB's SPN <b>(6-32) A</b>				
	1707	Replacement of 4 Pole MCB's <b>40A</b>	Each	110		
		Replacement of 4 Pole MCB's <b>63A</b>				
	1714	Replacement of 4 Pole MCB's <b>100A</b>	Each	200		
	1715		Each	50		

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	1716		Each	10		
10	1101	Replacement/repairing of existing wiring of FR copper cable size 1.5 MM <sup>2</sup>	RM	2500 M		
	1102	existing wiring of FR Copper 2.5MM <sup>2</sup> Cable size 4MM <sup>2</sup>	RM	400 M		
	1103		RM	250 M		
	1104		RM	200 M		
	1105		RM	100 M		
	1225	PVC conduit pipe with clip dia size 25 MM <sup>2</sup>	RM	300 M		
11	1433	Replacement of Switch 15/16Amp		172		
	1435	Socket 15/16 Amp.		172		
	1431	Replacement of Switch 5/6 Amp.	No	177		
	1434	Socket 5/6 Amp.. Brass bulb holder	No	177		
	NDSR	Hylem sheet for electrical Board of various sizes	No	185		
			M2	100		
		Replacement of Fan Regulator dimmer type	No	150		
	1443	Replacement of Brass Bulb holder	No	20		
	1401	Ceiling rose	Nos	100		
	1444	Replacement of Buzzer	Nos	60		
	1436	Replacement of Switch for Call Bell	Nos	60		
12	NDSR	Earthing test	job	10		
13	NDSR	Enamel painting of Metallic Boards /Panels	M <sup>2</sup>	50		
14	NDSR	Quarterly cleaning of Switches and Boards, Fans, Tubler Fittings and other electrical installations etc.	Job	4		
15	1.51	Numbering of Fans/fittings	Each	1260		
		Total				

**(5) Sub Station** (Maintenance of sub-Station including Transformer Capacitor Panel, Stabilizer and Main Cable etc.

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Sr. No.	Particulars of the Jobs to be carried out in Annual maintenance for HT sub-station at Tilak Vihar Dispensary	UNIT	Quantity	Rate (Rs)	Amount in Rs.
1	Annual Comprehensive Repair & maintenance of 11 KV OCB's for incoming HT panel and transformer Circuits with replacement of dirty transformer oil, repair and overhauling of mechanism , incoming HT panel testing, calibration of relays & tripping system etc.	Job	1		
2	Annual comprehensive maintenance of 11 KV/440 Volts , 400 KVA Power transformer with its incoming and outgoing cable termination and replacement of Silica Jel and Topping up transformer oil in conservative tank etc.	Job	1		
3	Annual dehydration of dirty Transformer oil of 400 KVA plinth mounted transformer having  capacity of approximately 550 ltrs transformer oil with dehydration filter machine at site to maintain 50 KV dielectric strength	Job	1		

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4	Annual checking of earth results & pouring of water in earth pits in dry season to maintain earth results 0.2 ohm with proper termination & connection in sub station including transformer LT panel and HT panel.	Job	1		
5	Making of new earthing with boring /Drilling for maintaining of electric supply system and fixing of earthing material, salt /Charcoal as earth strips etc. with earth pits as per standard specification alongwith making connections with existing system.	Job	1		
6	Annual comprehensive repair , maintenance /replacement of electric parts of 630 Amp ACB for 400 KVA transformer with replacement of HRC fuses & contractors etc.	Job	1		
7	Annual comprehensive maintenance , repair, replacement of difference sizes of burnt switches/MCCB and HRC fuses of LT outgoing feeders and capacitor bank feeders alongwith incoming shifting system and termination of cable as per requirement.	Job	1		
8	Annual comprehensive maintenance of 120 KVAR shunt capacitor bank , repair , replacement of burnt/damage shunt capacitor of difference sizes 5 KVAR to 25 KVAR	Job	1		

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9	Comprehensive annual repair maintenance, replacement of underground LT cables, incoming supply MCCB and HRC fuses and other parts etc. from sub station to distribution boards at different places.	Job	1		
10	Comprehensive annual repair, maintenance, replacement of submersible tube well, sewage, disposal pump, street lighting of the compound etc. not covered in Tilak Vihar, Dispensary annual maintenance for smooth trouble free functioning of water supply/sewage system and street lighting system round the clock.	Job	1		
11	Painting of panels including writing of numbering of feeder, on switch panel for identification of feeders.	Job	1		
12	Supply, laying and energisation of LT PVC/FRS/XLPE tropodour cable of ISI Standard of different sizes in all kind of soil including Sand & bricks provision as per standard specification  3.5 X 400 Sq mm 30 mtrs  3.5 X 300 Sq mm 30 mtrs  3.5 X 150 Sq mm 50 mtrs  4 X 95 Sq mm 50 mtrs  4X 50 Sq mm 50 mtrs	Job	1		

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	4 X 25 Sq mm	100 mtrs				
	2 X 10 Sq mm	100 mtrs				
	<b>Total</b>					

**Annexure -B****GENERAL CONDITIONS OF CONTRACT****Definitions and Interpretation****1. Definitions**

- a) In the Contract (as hereinafter defined) the following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires.
- i) "Employer" means the ESIC and the legal successors in title to ESIC.
  - ii) "Engineer" means the person appointed by ESIC to act as Engineer for the purposes of the Contract.
  - iii) "Contractor" means an individual or firms (proprietary or partnership) whether incorporated or not, that has entered into contract (with the employer) and shall include his/its heirs, legal representatives, successors and assigns. Changes in the constitution of the firm, if any shall be immediately notified to the employer, in writing and approval obtained for continued performance of the contract.
- (b) (i) "Contract" means these conditions, the Specification, the Bill of Quantities, the Tender, the Letter of acceptance, the Contract Agreement

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- (if completed) and such further documents as may be expressly incorporation in the letter of Acceptance or Contract Agreement ( if completed).
- (ii) "Specification" means the specification of the Works included in the Contract and any modification thereof.
  - (iii) "Drawings" means all the completion drawings, calculations and technical information of a like nature provided by the Engineer to be Contractor under the Contract and all drawings, calculations, samples, patterns, models, Repair and Repair and Maintenance manuals and other technical information of a like nature submitted by the Contractor and approved by the Engineer.
  - (iv) "Bill of Quantities" means the priced and completed bill of quantities forming part of the tender.
  - (v) "Tender" means the Contractor's priced offer to the Employer for the execution and completion of the works and the remedying of any defects therein in accordance with the provisions of the Contract, as accepted by the Letter of Acceptance. The word Tender is synonymous with "Bid" and the words "Tender Documents" with "Bidding Documents".
  - (vi) "**Letter of Acceptance**" means the formal acceptance of the tender by ESIC.
  - (vii) "**Contract Agreement**" means the contract agreement (if any) referred to in Sub Clause
  - (viii) "**Appendix to Tender**" means the appendix comprised in the form of Tender annexed to these Conditions.
- (c) (i) "**Commencement Date**" means the date upon which the Contractor receives the notice to commence the works.
  - (ii) "**Time for completion**" means the time period for which the contract of Repair and operation and Maintenance has been awarded by the employer to the contractor.
- (d) "**Taking over Certificate**" means a certificate issued by employer evidencing successful completion of the awarded work.
- (e) i) "**Contract Price**" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract.
  - ii) "**Retention Money**" means the aggregate of all monies retained by the Employer.
- (f) i) "**Works**" means the Permanent Works and the Temporary Works or either of them to be executed in accordance with the contract.
  - ii) "**Site**" means the places provided by the Employer for Repair and Maintenance of ESI DISPENSARIES, DELHI/New Delhi.

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iii) **“Cost”** means all expenditure properly incurred or to be incurred, whether on or off the site, including overhead and other charges but does not include any allowance for profit.

## **2. ENGINEER**

### **Engineers Duties and Authority**

a) The Engineer shall carry out the duties specified in the Contract.

### **3. Custody and Supply of Drawings and Documents**

The Drawings shall remain in the sole custody of the employer/Engineer, but copies as required thereof as per availability in the record shall be provided to the Contractor free solely for the purpose of this contract.

### **4. Sufficiency of Tender**

The Contractor shall be deemed to have based his Tender on the data made available by the employer and on his own inspection and examination of this site conditions.

### **5. Contractor’s Employees**

The Contractor shall provide on the site qualified and experienced technical staff in connection with the Repair and Maintenance of the Works and the remedying of any defects therein. The minimum staff shall be as per description of work mentioned in BOQ and format-III.

### **6. Engineer at Liberty to object.**

The Engineer shall be at liberty to object to and require the contractor to remove forthwith from the Works any person provided by the contractor who, in the opinion of the Engineer, misconducts himself, or is incompetent or negligent in the proper performance of his duties, or whose presence on Site is otherwise considered by the Engineer to be undesirable, and such person shall not be again allowed upon the Works without the consent of the Engineer. Any person so removed from the works shall be replaced as soon as possible by a qualified person approved by the Engineers.

### **7. Safety, Security and Protection for the Environment**

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The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein:

- i) Have full regard for the safety of all persons entitled to be upon the Site and keep the Site ( so far as the same is under his control) and the Works ( so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons, and
- ii) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required, by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others, and
- iii) Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods or Repair.
  - (a) Insurance of work by the Contractor for his liability:
    - i) During the Repair and Maintenance period for loss or damage to property and life arising from a cause for which contractor is responsible.
    - ii) For loss or damage occasioned by the Contractor in the course of any Repairs carried out by him for the purpose of complying with his obligations.

It shall be responsibility of contractor to notify the Insurance Company of any change in the nature and extent of the works and to ensure the adequacy of the Insurance cover at all times during the period of contract.

#### **8. Damage to Persons and Property**

The Contractor shall, except if and so far as the Contract provides otherwise, indemnify the Employer against all losses and claims in respect of:

- (a) death of or injury to any person, or
- (b) loss or damage to any property (other than the Works):

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Which may arise out of or in consequence of the Repair and Maintenance of the Works and the remedying of any defects therein, and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof.

#### **9. Accident or injury to Workmen**

The Employer shall not be liable for or in respect of any damages or compensation payable to any workman for death or injury resulting from any act or default of the contractor. The Contractor shall indemnify and keep indemnified the Employer against all such damages and compensation and expenses whatsoever in respect thereof or in relation thereto.

#### **10 Evidence and Terms of Insurance**

The Contractor shall take out appropriate insurance to cover his work and workers and staff employed by him fully. The contractor shall provide evidence to the Engineer/Employer as soon as practicable after the respective insurance have been taken out but in any case prior to the start of work at the Site that insurance required under the Contract have been effected.

#### **11. Compliance with Statutes, Regulations**

The Contractor shall conform in all respects, including by the giving of all notices and the paying of all fees, with the provision of:

- a. Any national or State Statute, ordinance, or other law, or any regulation, or bye-law of any local or other duly constituted authority in relation to the execution and completion of the works and the remedying of any defects therein, and
- b. The rules and regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the works, and the Contractor shall keep the Employer indemnified against all penalties and liability of every kind for breach of any such provision.
- c. Any changes required for approval due to revision of the local laws.

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**12. Time for completion**

The Repair and Maintenance work shall be for a period of One year or as mentioned in the letter of commencement and shall start from the date issue of letter commencement and shall stand terminated after the expiry of One Year .

**13. Extension of Time for Completion.**

The Repair and Maintenance contract may be extended on the written mutual consent of both Employer and Contractor for a further period may be up to one year. However, employer reserve its right to terminate the Repair and Maintenance contract by giving 15 days notice at any time during the currency of the contract if the services of the agency are not satisfactory as per the opinion of employer or its representative.

**14. Defect identification and its rectifications.**

Agency shall immediately attend the defects and complaints noticed at site. The agency shall provide and develop a system for regular Repair and Maintenance of all the services which includes defect identification and its immediate rectification so, that services are not affected. It shall be the sole responsibility of the Repair and Maintenance agency that all the services are kept in functional condition round the clock during the currency of the contract.

Defect Liability period shall be 12 months from the date of completion of work under BOQ measurable works. The contractor shall rectify at his own expenses any defect in the work carried out by him during this period. On failure of the contractor to do so, the same shall be completed by the employer at the risk and cost of the contractor.

**15. Liquidated damages for delay.**

If the Contractor fails to attend any complaint or defect in due course of time and if in the opinion of engineer delay is on the part of Repair and Maintenance agency, the employer can impose liquidated damages on the contractor as detailed in the particular conditions.

**16. Contractor's Failure to carry out Instruction.**

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In case of default on the part of the Contractor in carrying out defect rectification works, the Employer/Engineer and IMO Incharge shall be entitled to employ and pay other persons to carry out the same and if such work, in the opinion of the Engineer, the Contractor was liable to do at his own cost under the Contract, then all costs including penalty for delay in attending to the complaint consequent thereon or incidental thereto shall be determined by the Engineer and shall be recoverable from the Contractor by the Employer, and may be deducted by the Employer from any monies due or to become due to the Contractor.

### **17. Instructions for Variations**

(a) Quantities given in the BOQ are estimated quantities. The quantity of any particular item may vary to any extent. Variation in quantity in particular items or total exclusion of certain items of BOQ from the work executed or overall cost, does not entitle contractor to claim any extra cost.

(b) **Notice to be given by the contractor for execution of Planned civil and electric works :-**

It shall be duty of the contractor to give notice of at least three working days for execution of planned civil Works like whitewashing, painting, replacement of window glass panes which is other than day to day maintenance jobs so that prior sanction may be obtained to start the work and also to check the quality of materials to be used. If no notice is given, the work executed will not be considered for payment.

### **MEASUREMENT**

#### **18. Works to be measured**

The Engineer shall be determined by the measurement of the value of actual work done in accordance with the Contract and the Contractor shall be paid proportionately. Part rate shall be made for any part of BOQ items not fully executed. **Engineer shall be at liberty to decide the breakup of Lump Sum items and to decide the part rate for any particular item. In case over-time working of staff under item no. 1 is required, specific instructions of the engineer is to be obtained. Payment shall be made at applicable overtime rates.**

#### **19. Method of Measurement**

The works shall be measured net, notwithstanding any general or local custom, except where otherwise provided in the Contract.

### **CERTIFICATES AND PAYMENTS**

#### **20. Monthly Statements**

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The contractor shall submit a bill in 3 copies to the Engineer by 7<sup>th</sup> day of each month for the work executed up-to the end of previous month in tabulated form approved by the Engineer, showing the amounts to which the Contractor Considers himself to be entitled. The bill must be supported with the following documents:-

- a. Attendance sheets duly verified by nodal IMO Incharge along-with salary certificates, wages sheets of all the workers and staff deployed against item No.' A'.
- b. Certified bills miscellaneous materials purchased under different head against item no. 'A'.
- c. Details of defects/complaints attended and rectified within time.
- d. Details of complaints attended late.
- e. Test certificate of materials used and tests carried out for quality control as required by the specification and the Engineers.
- f. Monthly certificates from all the IMO Incharges of dispensaries regarding satisfactory attending of complaints on the format enclosed as enclosure –V.

#### **21. Deduction of Income Tax**

The amount to be deducted towards the advance income tax shall be at the rate applicable.

#### **22. Monthly Payments**

After submission of monthly bill complete in all respects by the contractor, Engineer shall check the bill with the help of contractor and certify for payment within 15 days.

#### **23. Performance Guarantee**

Within two weeks of award of work, the Contractor shall submit a Performance Security for proper performance of the contract in the format enclosed as Enclosure –III.

The performance guarantee shall be valid for the duration of the contact period plus 60 days.

The performance security can be encashed by the Employer to recover any amount which is payable by the contractor to the Employer on any account for a cause arising out of the contract

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**24. Correction of certificates**

The Engineer may be any Interim Payment Certificate make any correction or modification in any previous interim payment Certificate which has been issued by him, and shall have authority, if any work is not being carried out to his satisfaction, to omit or reduce the value of such work in any Interim Payment Certificate.

**25. Final Certificates**

Within 28 days after receipt of the Final Statement, and the written discharge, the Engineer shall issue to the employer (with a copy to the Contractor) a Final Certificate stating:

- a. The amount which, in the opinion of the Engineer, is finally due under the contract, and
- b. After giving credit to the Employer for all amounts previously paid by the Employer and for all sums to which the Employer is entitled under the Contract.

**26. Default of Contractor**

26.1 If the performance of the contract and is not satisfactory and not corrected within 15 days of receiving notice, then employer shall be at liberty to terminate the contract and get the work executed through other means at the risk and cost of the Contractor.

**26.2 Payment on Termination**

In the event of termination of the contract, employer shall be at liberty to get balance work done at the risk and cost of the contractor and due payment of the contractor, if any, shall be released after the completion of whole of the works.

**27. Amicable Settlement of Dispute**

The party shall use their best efforts amicably all disputes arising out of or in connection this contract or the interpretation thereof.

**28. Arbitration**

Any dispute and differences relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship of materials used in the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising

Signature of Contractor

during the progress of the work or after the completion or abandonment thereof in respect of which:-

Amicable settlement has not been reached.

Shall be referred to the Sole Arbitration of the Chief Engineer, ESIC who shall proceed as per the Arbitration Act, 1996.

**28.1.** The work under the contract shall continue, during the Arbitration proceedings.

**28.2.** The award of the Arbitrator shall be final, conclusive and binding on both the parties.

## **ANNEXURE- C**

### **Particular Conditions of Contract**

- CPWD specifications shall be followed. Where not available, BIS/Engineering practice as directed by the Engineer shall be followed.
- Complaints shall be made in the format(Enclosure-1)
- A complaint register (format at Enclosure-II) shall be maintained in the Repair and Maintenance Office of the contractor in which all complaints received shall be documented.
- Formats of Performance Guarantee and Contract Agreement are at Enclosure III and IV respectively.
- All emergent Repair and Maintenance related complaints shall be attended to within twenty fours and routine/non emergent repairs shall be attended within 48 hours hour failing which a recovery of Rs. 100 per

Signature of Contractor

event per day shall be made from the subsequent payment certificate of the contractor.

- In the event of failure to attend the complaint within 3 days IMO Incharge will get the work done at the risk and cost of the agency who has been allotted the AR & M work . The expenditure for the repair & maintenance including cost of material and incidental expenditure incurred for such repairs and penalty levied on account of failure of Agency will be deducted from the subsequent payment/pending dues/security deposit of the AR&M agency.
- The Sewer-man shall ensure that all lines are maintained in a clean condition by carrying out preventive cleaning of all lines at least once each month.
- As the work will have to be carried out in building and area in use the contractor shall ensure:-
  1. That the normal functioning of ESIC activity is not effected as far as possible.
  2. That the work is carried out in an orderly manner without noise and obstruction to flow of traffic.
  3. That all rubbish etc. is disposed off at the earliest and the place is left clean and orderly at the end of each days work.
  4. The Contractor shall ensure that his Repair and Maintenance staff is qualified and licensed for their part of work. He shall be responsible for their conduct. The staff should behave in a courteous manner. The contractor be held responsible for any loss or damage to ESIC property.
  5. The contractor shall ensure safety of his workers and others at site of work and shall be responsible for any consequence arising out of execution of the Repair and maintenance work.
  6. When instructed to do so, the contractor shall ensure proper record keeping and storing of irreparable/dismantled material.
  7. **Water and electricity shall be made available free of cost at near by source of work.** The contractor has to make his own arrangement for use of the same including drawing temporarily lines etc. The responsibility for following relevant rules, regulations and loss in the regard shall be entirely that of the contractor.

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**ADDITIONAL PARTICULAR CONDITIONS OF CONTRACT**

For the services to be operated and maintained by the Contract for which lump sum amounts have been quoted, the following shall apply:-

**Operation and Maintenance of Sub-stations, Pumping Systems etc.**

All the above plant and equipments etc. shall be taken over after recording the complete details of make, date of manufacture etc. including their running conditions.

During the contract period, the same shall be operated and maintained by the Contractor including supply of all spares, materials, labour, T&P etc. and including consumables like Engine oil, transformer oil etc. complete. The maintenance and operation shall meet all the requirements of the concerned statutory authorities. At the end of the Contract Period, the equipments/system shall be handed over back to ESIC in the condition in which they were taken over, normal wear and tear accepted.

**Note:-** All breakdowns/faults shall be attended to immediately and rectified promptly.

Only genuine/original spare parts shall be used while carrying out the maintenance work.

Any major repair involving overhaul of engine, rewinding of motors, replacement of major components like compressor etc. is excluded from the scope of work and shall be paid for on actuals. However, if the repairs/replacement arises out of negligence of the Contractor or his staff, the same shall be carried out by the Contractor at his own cost. Prior approval of the Engineer is to be obtained for any such major repair/replacement.

Signature of Contractor

The contractor shall depute qualified and experienced staff for running and maintenance of the Systems/Equipments.

The contractor shall follow all instructions conveyed to him by the concerned ESIC officials regarding maintenance of the above.

**Horticulture :-**

The garden, lawn, potted plant etc. shall be taken over after listing out the same. The same shall be maintained for the contract period. During this period, all inputs like manure, replacement of plant, watering, clearing weeds, trimming, housekeeping etc. including all material labour and tools, replacement plants etc. shall be provided so that the garden is maintaining in a neat and healthy condition. The same shall be handed back to ESIC in such condition at the end of the contract period.

**ENCLOSURE - I**

**COMPAINT REGISTRATION FORM**

Date

Time

Nature of complaint

**Signature of Contractor** \_\_\_\_\_

**Name and Address** \_\_\_\_\_

Complaint attended.

Date

Time

From

To

Certified that the complaint has been satisfactorily attended.

Signature of Contractor

Contractor

Complainant

Date

To be submitted along with running bills.

**Enclosure -II****MAINTENANCE COMPLAINT REGISTER**

<i><b>S.NO</b></i>	Date & Time	Complainant	Nature of complaint	Complaint attended Date & Time	Remarks	Signature of Contractor

Signature of Contractor

**Enclosure - III****FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND**

In consideration of the ESIC having agreed under the term and conditions of the Agreement No. \_\_\_\_\_ dated \_\_\_\_\_ made between ESIC and Second Party (hereinafter the said Construction Agency \_\_\_\_\_ for the work \_\_\_\_\_ hereinafter called the said agreement ) to production of irrevocable bank guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) as a security/Guarantee from the Construction Agency for compliance of his obligations in accordance with the terms and conditions in the said agreement, We \_\_\_\_\_ (hereinafter referred as to "the Bank" hereby) (Indicate the name of the bank) Undertake to pay to the ESIC an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) on demand by the ESIC.

2. We \_\_\_\_\_ do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the ESIC stating that the amount claimed is required to meet the recoveries due or likely to be due from the Second Party. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

3. We, the said bank further undertake to pay to the ESIC any money that is demanded notwithstanding any dispute or disputes raised by the Second Party in any suit or proceeding pending before any court or Tribunal relating thereto, a liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of a liability for payment there under and the Second Party shall have no claim against us making such payment.

4. We \_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would taken for the performance of the said agreement and that it shall continue to enforceable till all the dues of the ESIC under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or Engineer-in-Charge on behalf of the ESIC certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Second Party and accordingly discharges this guarantee.

5. We \_\_\_\_\_ (indicate the name of Bank) further agree with the ESIC that. The ESIC shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said

Signature of Contractor

contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the ESIC against the said Second Party and to bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor or for any forbearance, act of omission on the part of the ESIC or any indulgence by the ESIC to the said contractors or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor.

7. We \_\_\_\_\_ lastly undertake not to revoke this guarantee except with the previous consent of the ESIC in writing.

8. This guarantee shall be valid upto \_\_\_\_\_. Unless extended on demand by ESIC. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only)

and unless a claim in writing is lodged with us within six months of the date of expiry of the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Date the \_\_\_\_\_ Day of \_\_\_\_\_ For

\_\_\_\_\_ (indicate the name of bank)

Signature of Contractor



**Enclosure – IV**

**CONTRACT AGREEMENT**

This CONTRACT (hereinafter called the “Contract”) is made the..... day of the month of ..... 2009 between Employees’ State Insurance Corporation , Director (Medical) Delhi on the one hand (hereinafter called the Employer) and on the other hand ..... (hereinafter called the Contractor)

**Whereas**

- a. The Client has accepted the offer of the Contractor to provide certain services for the maintenance of  
 .....  
 ....  
 .....  
 .....  
 .....
  
- b. the Contractor, having represented to the client that they have the required professional skills, personnel and technical resources, have agreed to provide the services on the terms and conditions set forth in this Contract Agreement.

**Now therefore the parties hereto hereby agree as follows:**

- c. The following documents attached hereto shall be deemed to form an integral part of this Contract:

1.	Notice Inviting Tender & Instructions to Tenderers.	Annexure ‘A’
2.	General Conditions of Contract	Annexure ‘B’
3.	Particular Conditions of Contract along with Enclosure I, II & III	Annexure ‘C’
4.	Programme of work other than day to day maintenance	Annexure ‘D’
5.	Format of Contract Agreement	Enclosure IV

Signature of Contractor

6.	Bill of Quantities for Civil and Electrical works	Enclosure VI
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2.0 The mutual rights and obligations of the Employer and the Contractor shall be as set forth in the Contract, in particular:

- a. The Consultants shall carry out the services in accordance with the provisions of the provisions of the contract; and
- b. The Client shall make payments to the Consultants in accordance with the provisions of the contract.

In witness whereof, the parties hereto have caused this contract to be signed in their respective names as of the day and year first above written

FOR AND ON BEHALF OF

[CLIENT]

**Director (Medical) Delhi  
ESIC Dispensary complex,  
Tilak Vihar, New Delhi-110018**

FOR AND ON BEHALF OF

[CONTRACTOR]

.....

**Enclosure – V**

Signature of Contractor

**Monthly report in respect of attending of the complaints**

Name of Dispensary.....

It is hereby certified that M/s ..... has attended all the complaints sent to the agency up to the month of ..... 2009/2010.

Complaints received during the previous month of ..... 2009/2010 have been attended to satisfactorily and no complaints is pending.

**SIGNATURE OF IMO-INCHARGE**

stamp

Date.....

**Appendix-1**

<b>LIST OF ESIC DISPENSARIES</b>					
<b>S. NO.</b>	<b>NAME OF SUB GROUP</b>	<b>NAME OF DISPENSARIES</b>	<b>PLINTH AREA (APPROX.) SQM</b>	<b>NO. OF STAFF QUARTERS</b>	<b>No. of Electric Sub -Station</b>
	<b>WEST ZONE</b>	1 NIA KARAMPURA (N)	664	22	
		2 I BLOCK KARAMPURA	192		
		3 JAWALA PURI *	370	8	

Signature of Contractor

1		4 MADIPUR	777		
		5 INDER LOK	413		
		6 TILAK VIHAR	1142	10+42	1
		7 NAJAFGARH (R)	260		
		<b>Total</b>	<b>3818</b>	<b>82</b>	<b>1</b>
	<b>NORTH ZONE</b>	1 ROHINI SEC-V (N)	1073		
		2 WAZIRPUR *	579		
		3 JAHANGIRPURI	320		
2		4 MORI GATE	<b>458</b>	<b>3</b>	
		5 AZADPUR	353		
		6 MANGOLPURI	1012	24	
		7 NARELA®	319		
		<b>Total</b>	<b>4114</b>	<b>27</b>	
	<b>SOUTH ZONE</b>	1 FACTORY ROAD (N)	771	12	
		2 JANGPURA	490		
		3 KALKAJI *	686		
3		4 TIGRI	449		
		5 MAYAPURI-II	611		
		6 DWARKA *	791		
		7 MEHRAULI ®	235		
		<b>Total</b>	<b>4033</b>	<b>12</b>	
	<b>EAST ZONE</b>	1 SEELAMPUR (N)	420		
		2 V.K. NAGAR	145		
		3 MAYUR VIHAR	396		
4		4 PAHARGANJ	498	1	
		5 OKHLA (MODI MILL)	325		
		6 OKHLA -III ®	307		
		<b>Total</b>	<b>2091</b>	<b>1</b>	
		<b>Grand Total</b>	<b>14056</b>	<b>122</b>	<b>1</b>

**Note** 1 ® Indicates dispensaries in private rented building

2 \* indicates locl branch office also in the dispensary complex

3 ( N ) indicates nodal IMO Incharge who will verify the attendance of staff deployed for category 1 to III listed in format -IIIA. For the category of pump operators concerned IMO Incharge will verify the attendance . In case of Tilak Vihar staff deployed for electric sub station attendance will be verified by the IMO Incharge Tilak Vihar, N. Delhi.

Appendix-II

## Details of staff quarters of ESI Dispensaries

Signature of Contractor

S. No.	Name of the Dispensary	Type-I	Type-II	Type-III	Type-IV	Type VI	Total
1	Factory Road	4	4		2	2	12+2*
2	Morigate	1	1	1			3
3	NIA-I, Karampura	4	10	6	2		22
4	Tilak Vihar Old		10				10
	Tilak Vihar New	8	20		14		42
5	Mangolpuri	8	8	8			24
6	Jwalapuri		8				8
7	Paharganj	1					1
	<b>Total</b>	<b>26</b>	<b>61</b>	<b>15</b>	<b>18</b>	<b>2</b>	<b>122+2*</b>

\* indicate two no. servant qtrs attached to type VI qtr only

### Appendix-III

**Details of ESI Dispensaries where Borehole Tubewell and pumping machinery (submersible pump set and Monoblock Horizontal Centrifugal pump set) are installed.**

Signature of Contractor

<b>S.No.</b>	<b>Name of Dispensary</b>	<b>No. of Borewells</b>	<b>Remarks</b>
<b>1</b>	<b>FACTORY ROAD</b>	<b>1</b>	
<b>2</b>	<b>MORI GATE</b>	<b>1</b>	
<b>3</b>	<b>NIA KARAMPURA</b>	<b>1</b>	
<b>4</b>	<b>TILAK VIHAR</b>	<b>2</b>	one no. existing + 1No. New to be constructed
<b>5</b>	<b>MANGOLPURI</b>	<b>1</b>	
<b>6</b>	<b>JAWALAPURI</b>	<b>1</b>	
<b>7</b>	<b>JANGPURA</b>	<b>1</b>	
<b>8</b>	<b>KALKAJI</b>	<b>1</b>	
<b>9</b>	<b>SEELAMPUR</b>	<b>1</b>	
<b>10</b>	<b>TIGRI</b>	<b>1</b>	
<b>11</b>	<b>DWARKA</b>	<b>1</b>	
	<b>Total</b>	<b>12</b>	

Signature of Contractor

## Appendix-IV A

## Details of approximate electrical fittings existings at various ESIC Dispensaries

S.No.	NAME OF DISPENSARY	TUBE LIGHTS	LAMP HOLDER	CEILING FANS	WALL FANS	EXHAUST FANS	LIGHT PLUGS	POWER PLUGS	HP SODIUM/MERCURY LAMP	BUSTER PUMP	SUMBER SIBLE PUMP	SEWAGE PUMP
1	AZADPUR	28	12	11			11	11		1		
2	JAHANGIRPURI	33	11	21		1	14	11	2	1		
3	SEELAMPUR	48	5	21		1	15	15	2	1.5	2 X 3 H.P	
4	MANGOLPURI	120	19	58		1	34	15	18	4	5	
5	INDERLOK	55	9	22		1	15	21	2	1		
6	MADIPUR	82	11	27		1	19	18	6	1		
7	JWALAPURI	42	3	21		2	17	14	8	3	5	
8	MAYAPURI-II	72	20	23	1	3	23	36	2	1.5 +1		
9	PAHARGANJ	23	12	26		2	14	14		1+1		
10	TILAK VIHAR	53	28	32	2	4	21	15	15	1.5+0.5	5	
11	ROHINI SEC-V	68	20	27		4	18	23	14	1+0.5		
12	OKHLA-I	38	26	20	1	1	20	22	1	1		
13	OKHLA-PHASE III	38	8	11	1	1	13	20	1	1		3 HP
14	TIGRI	56	17	32	2	2	15	31	2	1	5	
15	WAZIRPUR	73		30		6	16	33	6	2		
16	KALKAJI	51	29	29	1	1	23	16	5	2+1	5	
17	KARAMPURA NIA	73	26	33	3	2	30	42	1	2	2	
18	KARAMPURA I BLOCK	24	8	12	2	1	15	6	17	3+3		
19	MORI GATE	24	8	16		1	12	12	4	2	2	
20	FACTORY ROAD	48		31	1	4	18	18	15	2	2	
21	MAYUR VIHAR	32		20		2	8	8	3	1	2	
22	V.K. NAGAR	25		18		2	15	15	3	1		
23	DWARKA	70	24	35	1	10	24	27	4	1		
24	JUNGPURA	54	7	26	1	4	9	10	6	1.5+.5	1	
25	MEHRAULI	19	12	18		1	18	6		1		
26	NARELA	16	14	18		1	17	17		1		
27	NAJAFGARH	30	16	22		1	11	16		1		
		1295	345	660	16	60	465	492	137			

Signature of Contractor

## Appendix-IV B

## Details of approximate electrical fittings existings at various ESIC Staff Qtrs

S. No.	Type of Qtrs	Total No.	Ceiling Fans	Wall fans	Exhaust Fans	Total Fans	Tube Lights	Lamp Holders	Light Plugs	Power plugs	HP SV/Mercury lamp
1	I	26	26X2= 52		26 X 1=26	78	52	26X10=260	52	52	
2	II	61	61X3=183		61 X1=61	244	183	61x12=732	183	183	
3	III	15	15X4=60		15X1=15	75	60	15x13=195	60	60	
4	IV	18	18X5=90		18X1=18	108	90	18x15=270	90	90	
5	VI	2	2X7=14		2X1=2	16	16	2x25=50	14	14	
6	Servant	2	2X1=2			2	2	2x3=6	2	2	
	<b>Total</b>	<b>122+2</b>	<b>401</b>	<b>0</b>	<b>122</b>	<b>523</b>	<b>403</b>	<b>1513</b>	<b>401</b>	<b>401</b>	

Signature of Contractor



## Appendix-V

Details of electrical installations (Tentative) in residential quarters of ESIC Dispensaries  
(For AR & M Purposes)

ITEM NO.	DESCRIPTION	Type-I	Type-II	Type-III	Type-IV	Type VI	SERVANT QUARTERS
1	POWER POINTS 15 AMP	2	3	4	5	7	1
2	CEILING FANS	2	3	4	5	7	1
3	EXHAUST FAN	1	1	1	1	1	
4	CALL BELLS	1	1	1	1	3	
5	LIGHT /FANS/CALL BELL/5 AMP PLUG POINTS	17	20	23	27	44	5
6	F.I. FITTINGS, TUBE & STARTERS	2	3	4	5	8	1
7	MCB CONNECTED SOCKET OUTLET FOR GEYSER/A.C. COMPLETE WITH WIRING	1	1	1	2	5	
	TYPE OF WIRING	Recessed conduit wiring			Concealed conduitwiring		
8	EDB MCB TYPE						
	SINGLE PHASE	1	1	1			1
	THREE PHASE				1	1	
9	CABLE TV POINT	1	1	1	1	1	
10	TELEPHONE POINT				1	2	

Signature of Contractor

## Appendix-VI

<b>Details of sanitary fittings for staff quarters of ESIC Dispnesaries (for the purpose of AR &amp; M)</b>						
<b>Item no.</b>	<b>Items</b>	<b>Type I</b>	<b>Type II</b>	<b>Type III</b>	<b>Type IV</b>	<b>Type V I</b>
1	Indian WC Pan with flushing cistern	one Orisia pan with P.V.C. low level cistern	one Orisia pan with P.V.C. low level cistern	one Orisia pan with P.V.C. low level cistern	one Orisia pan with P.V.C. low level cistern	one + one for servant Qtrs.
2	Europeon type WC low level with flushing cistern & water jet				One	One
3	Wash hand basin with one tap each	one	one	one	Two mixture type for hot & cold	Three mixture type for hot & cold
4	Tap (kitchan Bath & WC)	4 PTMT	4PTMT	4 CP Brass	5 CP Brass	12 (11 CP Brass + 1 PTMT)
5	Shower	1 TMT	1 PTM	1PTMT	Two CP Brass	3 CP Brass
6	Mirror(Bevelled eds/PVC Frame)	1	1	1	2	3
7	Soap rack	1	1	1	2	3
8	Liquid soap container				2	3
9	Towel rail	1 PTMT	1 PTMT	1 PTMT	2 CP Brass	2 CP Brass
10	Storage Tank	500 ltrs	500 ltrs	500 ltrs	750 ltrs	1000 + 500 ltrs for servant Quarters

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