

**DELHI DEVELOPMENT AUTHORITY
ELECTRICAL DIVISION NO.8**

SCHEDULE OF WORK

Name of work : M/o completed scheme of Nazul A/C -I under North Zone
(SH : Repairing & servicing of solar panel of 200 Ltrs. Capacity each & Replacement of their accessories at staff Quarters B.D Road)

S.NO.	DESCRIPTION OF ITEMS	QTY.	UNIT	RATE	AMOUNT
1.	Supply & Fixing of over head Hot water Tank capacity 200 litres made out of 14 SWG. stainless Steel Sheet Including providing & fixing of Rock wool & aluminium cladding with 24 SWG. aluminium sheet Fixing inlet & outlet of water, gate Valve in the tank, connection, testing etc. complete as required.	1 Job	Per job		
2.	Modification of existing Solar installation including cutting the legs, making the water supply connection inlet & outlet with G.I. " B class with 20MM / 15MM dia. Pipe, G.M gate valve, connection, testing etc. complete as required.	8 Job	Per job		
3.	Supply & Filling of Coolant of Heavy duty in the existing Solar tank having 200 litres capacity installed on 1 st floor roof commissioning & testing etc. complete as required.	16 Job	Per job		

4.	Serviceing & Desilting of Hot water tank having 200 litres capacity Over Head hot water solar Tank including Supply & Fixing of damaged / Defective gasket, Rusted Nut & Bolts etc. complete as required.	14 Job	Per job
5.	Repairing of leakage, washing element & Desilting Hot water tank having 200 litres capacity Over Head solar Tank including Supply & Fixing of damaged / Defective gasket, Rusted Nut & Bolts etc. complete as required.	1 Job	Per job
6.	Supply & Fixing of Defective parts of hot water existing tank having 200 litres capacity including connection, testing etc. complete as required.		
	a) Heating Element of 3 K.W.	5 Nos.	Each
	b) Floating Valve of 15 MM Dia.	4 Nos.	Each

ADDITIONAL SPECIFICATIONS AND CONDITIONS

1. The work shall be carried out as per additional condition of work & entire satisfaction of Engineer-in-charge.
2. No T&P shall be issued to the contractor by the department.
3. Gate valve shall be of SANT/LEEDER make only with ISI Marked.
4. Coolant shall be of Castrol , Waxpol, Elioic make Only.
5. G.I. pipe shall be of TATA/JINDAL make only.
6. All the material shall be got approved from the Engineer-in-charge before use at site.
7. Nothing extra on a/c of cartage shall be paid to the contractor by the department.
8. The contractor shall stand guarantee for a period of one year against the work executed by him.
9. The quoted rates shall be inclusive of all Govt. taxes and levies & cartage nothing extra shall be paid on this account.
10. The work shall be completed within 15 days.
11. Any injury to the working staff in case of any mishap during duty works will be the liability of the contractor.

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SCHEDULE OF WORK

Name of work : M/o Completed Works under North Zone.
SH : Annual maintenance of Fire alarm, P.A., Talk Back and EPABX System in Block No. 1,2 & 5 at 320, M.S. Flats Motia Khan.

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Annual maintenance of fire alarm system, P.A., talk back and EPABX system as per specification and conditions attached. a) Block No. 2 & 5	12 Months	Per Month		
2.	Annual maintenance of fire alarm system, PA, talk back and wet riser system as per specification and condition attached. b) Block No. 1	12 Month	Per Month		

ADDITIONAL CONDITIONS & SPECIFICATION

1. The work shall be carried out as per specification CPWD code of practice fire alarm system-1980 and entire satisfaction of Engineer-in-Charge.
2. Trained staff of firm shall work and inspect the system every week and also as and when required for checking and adjustment for satisfactory functioning of the entire system.
3. Tools and plant required for maintenance and testing shall have to be arranged by the contractor for which nothing extra shall be paid by the department.
4. Testing for the satisfactory functioning of the system shall have to be done once in a month for which necessary records shall have to be maintained.
5. Replacement of glass cover, damages wires, indicating lamp, battery water, HRC fuse etc. shall have to be carried out within the quoted cost.
6. The complaint should be attended within 24 hours after receiving of the complaint on telephone or in writing, failing which the work shall be carried out on the risk and cost of the agency.
7. Contractor shall deploy an Electrical Engineer who will visit the site once in a month.
8. The rates quoted by the agency shall be inclusive of all taxes, duties and Govt. levies if any, nothing shall be paid extra on this account.
9. The contract shall be for the period of one year and shall commence from the date of start of work. The contract may be terminated at any time within 15 days notice.
10. In case of contractual dispute, the decision of the Engineer-in-charge shall be final and binding on contractor.
11. Any damage caused to the building on the existing installation during the work shall be made good by the agency without any extra charges.
12. The wet riser system, fire drill shall be carried out once in a month by the contractor along with JE/AE and any leakage in the pressurized system shall be repaired.

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SCHEDULE OF WORK

Name of work : Maintenance of completed works under North Zone

SH : Annual comprehensive maintenance of lifts at 320 Multi Storeyed Flats at Motia Khan, Block No. 1.

S.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Comprehensive maintenance of Johnson make 8 passengers automatic elevator, speed 1 meter per second serving from Ground, 1 st , 3 rd , 5 th , 7 th , 9 th and 11 th Floor i.e. 7 Nos. opening i/c repairing, service and replacement of parts as per additional conditions attached.	2 lifts for 12 month	Per lift per month		

ADDITIONAL TERMS AND CONDITIONS

1. The work shall be carried out as per CPWD lift manual as amended upto date.
2. The firm should depute trained men directly employed & supervised by them. The men should qualified to keep the equipment properly adjusted and should responsible to maintain the elevator equipments in proper and systematically examine, adjust and lubricates the elevator components as required.
3. The agency will take all reasonable care and precaution in seeing that the elevators are safe for use and are in good operating condition.
4. The agency, during normal working hours, shall send at regular intervals, and as frequently as the agency thinks necessary having regard to the age nature and condition of the elevators (but not less than 12 times per annum). A technicians to systematically inspect, adjust and lubricate the parts of the elevator necessary to maintain the elevator in satisfactory working order. The agency will supply all lubricants (make as per sponsored of the company) necessary of the purpose.
5. Upon notification by the department of a break down or failure of the elevator the agency shall send as soon as may reasonably be possible and during the agency's normal working hours a technician to carry out necessary repair in order to restore the elevator to satisfactory working condition.
6. The firm will carry out annual safety test to examine all safety devices.
7. In performing the services as mentioned above the firm will replace (identical or equivalent item) or rectify any component of the elevator rendered defective with the approval of Engineer-in-charge, due to normal wear and tear and arising out of ordinary and reasonable use of the elevator except for such items as mentioned below:
 - (i) Elevator Car enclosure (inside).
 - (ii) Elevator Car and landing door panels / gates.
 - (iii) Bulbs (Indicator bulbs, fluorescent tubes) and alarm bell / buzzer.
 - (iv) Cabin fans.
 - (v) Incoming electrical wiring upto main switch in the machine room.
 - (vi) Main Switch in the machine room.
 - (vii) Intercom and telephone wiring upto machine room.
 - (viii) The firm will not liable to replace or repair free of cost under this contract

- any damage caused to all or part of the elevator as consequence of fire, water seepage, flooding etc.
- (ix) Dry calls and batteries.
- (x) Decorative items including mirror and hand Rail.
8. The agency has to provide technical assistance on the behalf of the department and suggest improvement as and when required.
9. All repair work have to be attended during normal working hours, of the normal working days with department representatives not below the rank of Junior Engineer present at the time of repair or the replacement of the required parts.
10. The firm shall clearly exhibit action board as required when ever.
11. In case of dispute the decision of the Superintending Engineer of the Electrical Circle-2 shall be final and binding on both parties i.e. contractor and the Engineer- in-charge.
12. The parts replaced shall be genuine parts intending for the purpose.
13. No payment under clause 10CC of the contract is payable.
14. The contract shall be for the period of one year and shall come into force from the date of start of work. The contract may be terminated at any time with 15 days notice.
15. Maintenance contract can be extended if so required by the Engineer-in-charge on the same Terms & Conditions.
16. The lift shall be stopped for use of public only after the company feels that it is unsafe for public and the same shall be informed to the Engineer-in-charge or his authorized representative.
17. Agency shall get the licence of lifts from lift inspector of GNCTD within the quoted cost. However fees shall be paid by the department.