

| <p style="text-align: center;">FINANCIAL BID (Format-V)</p> <p style="text-align: center;">B. BILL OF QUANTITIES- Measurable items of works. (ELECTRICAL)</p> <p style="text-align: center;">NAME OF THE WORK :- A.R.M. ELECTRICAL WORK OF E.S.I.C. SRO BUILDING AND RESIDENTIAL QUARTERS at SRO689/690 Bibvewadi,Pune- 411 037 FOR THE YEAR 2014-2015.</p> | | | | | | |
|---|---|--------------|---------------|------|-----------------|----------------------|
| ESTIMATE (ELECTRICAL) | | | | | | |
| | | | | | | |
| Name of Work : ARM Electrical works of ESIC Building & Residential Quarters at SRO 689/690 Bibewadi, Pune-37 for the year 2014-15 | | | | | | |
| Sr. No. | Description of items | Qty | Rate (Rs.) | Unit | Amount in Words | Amount in figures |
| A | Providing services of skilled Electrician round the clock with reliever arrangement 365 x 3 = 1095 days | 1095 Days | | Day | | |
| B | Providing services of Helper | 301 Days | | Day | | |
| 1 | 6-32Amp SP MCB(Indokopp/Legrand) | 30 Nos | | Each | | |
| 2 | 40Amp DP Isolator(Indokopp /Legrand) | 30 Nos | | Each | | |
| 3 | 40Amp 4 pole MCB(Indokopp/Legrand) | 10 Nos | | Each | | |
| 4 | Electric energy meter single phase 30Amp digital(Jaipur) | 5 Nos | | Each | | |
| 5 | 40watts electronic choke (Philips/Osram/Crompton) | 30 Nos | | Each | | |
| 6 | 20watts electronic choke (Philips/Osram/Crompton) | 30 Nos | | Each | | |
| 7 | 40watts copper choke conventional | 20 Nos | | Each | | |
| 8 | Tube Light side holder | 60 Nos | | Each | | |
| 9 | 4ft 40watts flourscent tube (Philips/Osram/Crompton) | 120 Nos | | Each | | |
| 10 | 2ft 20watts flourscent tube (Philips/Osram/Crompton) | 50 Nos | | Each | | |
| 11 | 20/40 Tube light starter (Philips/Osram/Crompton) | 50 Nos | | Each | | |
| | | | | | | |
| 12 | Tubelight starter holder(Anchor) | 30 Nos | | Each | | |

| | | | | | | | |
|----|--|-----|-----|--|------|--|--|
| 13 | 60watts electric bulb (Philips/Osram/Crompton) | 30 | Nos | | Each | | |
| 14 | 5/6amp piano type switch (Anchor/Leader) | 60 | Nos | | Each | | |
| 15 | 5/6amp piano type socket (Anchor/Leader) | 60 | Nos | | Each | | |
| 16 | 5/6amp 2 way piano type switch (Anchor/Leader) | 20 | Nos | | Each | | |
| 17 | 15/16amp switch piano type switch (Anchor/Leader) | 30 | Nos | | Each | | |
| 18 | 15/16amp switch piano type socket (Anchor/Leader) | 30 | Nos | | Each | | |
| 19 | 5/6amp modular type switch (Roma/Havells) | 20 | Nos | | Each | | |
| 20 | 5/6amp modular type socket (Roma/Havells) | 30 | Nos | | Each | | |
| 21 | 15/16amp switch modular type switch (Roma/Havells) | 30 | Nos | | Each | | |
| 22 | 15/16amp switch piano type socket (Roma/Havells) | 20 | Nos | | Each | | |
| 23 | Angle/Batten Holder (Anchor/Leader) | 100 | Nos | | Each | | |
| 24 | PVC tape roll (10mtr) (Steel Grip) | 30 | Nos | | Each | | |
| 25 | Call Bell | 30 | Nos | | Each | | |
| 26 | Bell push piano type | 20 | Nos | | Each | | |
| 27 | Fan regulator (Anchor/Havells) | 50 | Nos | | Each | | |
| 28 | Fuse Link 40amp HRC (English Electrical/Havels) | 10 | Nos | | Each | | |
| 29 | Fuse Link 63amp HRC pencil/square type (English Electrical/Havels) | 150 | Nos | | Each | | |
| | | | | | | | |
| 30 | 1.5sqmm single core PVC insulated FR cable copper conductor (Polycab/Finolex) | 500 | Mtr | | Mtr | | |

| | | | | | | | |
|----|---|-----------|-----|--|--------------|--|--|
| 31 | 2.5sqmm single core PVC insulated FR cable copper conductor (Polycab/Finolex) | 500 | Mtr | | Mtr | | |
| 32 | Casing and capping 25mm (2mtr long) a) Raw Plug 25 x 8 mm | 10 200 | Nos | | Each Each | | |
| 33 | Iron Screws 35 x 8mm A) Iron Screw 25 x 8mm | 100 | Nos | | Each Each | | |
| 34 | Iron Screws 50 x 8mm | 100 | Nos | | Each | | |
| 35 | Iron Screws 75 x 8mm | 100 | Nos | | Each | | |
| 36 | 600 x 600 x 6mm thick GI plate for earthing | 5 | Nos | | Each | | |
| 37 | 25 x 05mm GI strip | 30 | Kg | | Kg | | |
| 38 | GI wire 6 SWG | 85 | Kg | | Kg | | |
| 39 | Charcoal | 100 | Kg | | Kg | | |
| 40 | Salt | 100 | Kg | | Kg | | |
| 41 | Excavation | 85 | cu. | | cu.mtr | | |
| 42 | Nut and Bolt/GI earthing studd | 30 | Nos | | Each | | |
| 43 | Servicing of 22/04.33KV,600KVA Transformer including filtration of old oil and topping up transformer oil | 1 | Job | | Job | | |
| 44 | 250 watts copper ballast for HPSV lamp (Philips/Osram/Wipro) | 25 | Nos | | Each | | |
| 45 | 250 watts ignitor for HPSV lamp (Philips/Osram/Wipro) | 30 | Nos | | Each | | |
| 46 | 250 watts HPSV lamp screw cap (Philips/Osram/Wipro) | 20 | Nos | | Each | | |
| 47 | Holder suitable for 250watts HPSV lamp | 10 | Nos | | Each | | |
| 48 | Rewinding of electric motor upto 15HP including removing, refixing,testing ,transportation etc as required | 8 | Job | | Job | | |
| 49 | Repairing of water pump including changing of bearings ,water seal and removing,refixing,testing transportation etc as required | 5 | Job | | Job | | |
| | | | | | | | |
| 50 | Supply and fixing 3 HP monoblock pump set | 2 | Nos | | Each | | |

| | | | | | | |
|----|---|----------|-----|--|------|--|
| 51 | Repairing to geysers by fixing following | | | | | |
| | 1)Thermostat | 5 | Nos | | Each | |
| | 2)Filter | 5 | Nos | | Each | |
| | 3)Gasket | 5 | Nos | | Each | |
| 52 | Supply and fixing 2KW coil for geysers | 5 | Nos | | Each | |
| 53 | Rawal plug | 10 | Pkt | | Pkt | |
| 54 | 2.5 mfd fan capacitor | 40 | Nos | | Each | |
| 55 | Supply and fixing 2 x 16 sqmm armoured AL conductor cable | 100 | Mtr | | Mtr | |
| 56 | Supply and fixing 22KVA, 5KA distribution lightning arrestor (Lipro) | 3 | Set | | Set | |
| 57 | Supply and fixing G.O.D set 11KV 200Amp (Esico) | 3 | Set | | Set | |
| 58 | Supply and fixing D.O set 11 KA | 3 | Set | | Set | |
| 59 | Supply and fixing pin insulator 11 KA | 3 | Nos | | Each | |
| 60 | Supply only 36 watts CFL LAMP 4 pin in repair (Crompton/Bajaj/Philips) | 400 | Nos | | Each | |
| 61 | Supply only 18watts CFL LAMP 4 pin in repair (Crompton/Bajaj/Philips) | 400 | Nos | | Each | |
| 62 | Supply only 11watts CFL LAMP 4 pin in repair (Crompton/Bajaj/Philips) | 80 | Nos | | Each | |
| 63 | Supply only 2 x 36 watts CFL choke in repair (Crompton/ Bajaj/ Philips) | 200 | Nos | | Each | |
| 64 | Supply only 2 x 18watts CFL choke in repair (Crompton/Bajaj/Philips) | 200 | Nos | | Each | |
| 65 | Supply only 1 x 11watts CFL choke in repair (Crompton/Bajaj/Philips) A) Supply and Fixing 2 x 11 watts CFL choke | 40 40 | Nos | | Each | |
| 66 | Supply only 36 watts CFL holder 36 in repair | 60 | Nos | | Each | |
| 67 | Supply only PVC board Press fit 4" x 7" in repair | 40 | Nos | | Each | |
| 68 | Supply only PVC board Press fit 4" x 4" in repair | 40 | Nos | | Each | |

| | | | | | | | |
|----|---|-----|-----|--|------|--|--|
| 69 | Supply only PVC board Press fit 8" x 6" in repair | 40 | Nos | | Each | | |
| 70 | Boring/drilling bore well of reqd dia for casing/strainer pipe, by suitable method prescribed in IS:2800(part 1),including collecting samples from different strata,preparing and submitting strata chart/bore log,including hire & running charges of all equipment,tools plants machineries required for the job,all complete as per direction of engineer in charge upto 90 mtr below ground level | 75 | mtr | | Rm | | |
| | All type soil | | | | | | |
| | 300mm dia | | | | | | |
| 71 | Supplying installation testing and commissioning of 7.5HP pump set along with all accessories including 14mm nylon wire rope HDPE pipe adopter,support clamps,GI bends including connections etc as required(Head not less than 200m,discharge minimum 4000 litre per hour/maximum 8000 ltr per hour(Make:- Similar to KSB CORA 100 + UMA 100/Kirloskar/Calama/ Crompton) | 1 | Set | | Set | | |
| 72 | Supply and laying of 3 x 4sqmm submersible flat copper conductor cable on surface or in pipe /ground etc as required | 100 | Mtr | | Mtr | | |
| 73 | Supply installation testing and commissioning of outdoor water proof feeder pillar fabricated out of 2mm thick C.R.C.A sheet of size 900mm x 300mm x250mm (deep) .Including painting providing and fixing the following switch gear here in etc as required | | | | | | |
| | | | | | | | |
| | a)Submersible 3 phase DOL starter(13-21A) L&T make) - 1 no | 1 | Job | | Job | | |

| | | | | | | |
|----|--|-----|-----|--|------|--|
| | b)100A TP MCCB OF 16KA-1No make-L&T/GE,Siemens/ABB/Moeller) 1 no make | | | | | |
| | c)40 Amp TPMCB C- Series of 10 KA - 1 No Make : Siemens / Moeller / Hager) | | | | | |
| | d)100 A , 4 strip Copper bushbar of 250mm long , 30 mm width - 1 no | | | | | |
| | e)Digital type Voltmeter and Ammeter - 1 Set. | | | | | |
| 74 | Supplying and laying 50mm dia HDPE Hose pipe along with all accessories for felivery of submersible pump in Bore well etc. as required. | 100 | Mtr | | Mtr | |
| 75 | Supply,installation, testing and commissioning of 50mm dia gate valve on HDPE Hose pipe etc as required. (Make : Similar to Leader G.M. globe wheel valve {ISI} as per IS 778 CL-1/ SANT or equivalent make) | 1 | No | | Each | |
| 76 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed /XLPE aluminium conductor cable of 1.1 KV grade as required a 4 x 25 sq.mm | 2 | Nos | | Each | |
| 77 | Supplying and laying 50mm dia GI pipe (medium glass) in the ground for laying of road crossing including excavation ,cutting the bitumen road including refilling and making good the same etc as required | 10 | Mtr | | Mtr | |
| | | | | | | |
| 78 | Suppling and laying of one number Double walled corrugated high density polyethylene pipe having corrugation on the outer wall and plain surface inner wall confirming to IS 14930 Part 1 and complete with necessary HDPE fittings for erection of 1.1 KV Grade under ground cable directly in the ground at a depth of 50 cm including excavation and refilling the trench etc. as required (a) 38 mm outer dia (from borewell mouth to water tank) | 130 | Mtr | | Mtr | |

| | | | | | | | |
|----|--|-----|-----|--|------|--|--|
| 79 | Providing and fixing 6 SWGI wire on surface/recess for loop earthing along with cable etc as required | 100 | Mtr | | Mtr | | |
| 80 | Suppling of following sizes PVC insulated ,PVC sheathed/XLPE armoured aluminium conducted cable of 1.1 grade confirming to IS 1554 part 1 as required | | | | | | |
| | a . 4x25 sqmm | 50 | Mtr | | Mtr | | |
| 81 | Suppling and Fixing M.S. cap cover suitable for borewell having hole for pipe and submersible cable including painting etc as required | 1 | Job | | Job | | |
| 82 | Supply & fixing of 250 mm dia hexaust fan with necessary wiring for connection and provision of Extra Aluminium section for in aluminium ventilator for fixing hexaust fan completed. Make : Bajaj/Crompton | 14 | Nos | | Each | | |
| 83 | Supply & fixing 150 watts halogen lamp in repair (Philips/Osram) | 12 | Nos | | Each | | |
| 84 | Supply & fixing 400 mm wall mounted fans | 4 | Nos | | Each | | |
| 85 | Suplying & fixing HRC 400 mpn | 5 | No. | | | | |
| 86 | PVC connector 15 AMP for Road side wall lamp | 10 | Nos | | | | |
| 87 | A/C Panel Connector 32 AMP | 20 | nos | | | | |
| | Summery | | | | | | |
| | Page : 1 - 6,08,740.00 Page : 2 - 58,360.00 Page : 3 - 1,68,610.00 Page : 4 - 3,08,587.20 Page : 5 - 1,11,978.45 Page : 6 - 53,700.00 <u>Page : 7 - 72,918.00</u> TOTAL - 13,82,893.65 SAY RS. 13,83,000/- | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |