

Ahmedabad Municipal Corporation

Tender Notice 05/2026-27

Tender No. 20

Tender Documents

For

Providing & Laying Incoming Gravity line, Construction of Storm Water Pumping Stations (Civil, Electrical and Mechanical Work), Rising Main and LT Room Near APJ Abddul Kalam Hall in FP-170, TP-83in Maktampura Ward including O&M work for 2 years in South West Zone of AMC Area

Volume II :- Financial Bid

Section I : Schedule of Quantities & Rates

- (1) Date of download Tender Documents : www.tender.nprocure.com
- (2) Pre-bid meeting : Dt. 24-06-2026 at 11.00 Hr.
- (3) Last date of online Tender Submission : Dt. 29-06-2026 upto 19.00 hours
- (4) Last Date of submission of Blank tender document, EMD & Tender Fee and Other documents. : Dt. 30-06-2026 up to 16.00 hours by Speed Post or Registered Post AD, by courier or Hand delivery.
- (5) Date of e-Tender (Technical Bid) Opening : Dt. 30-06-2026 at 17.00 Hr.

Municipal Commissioner
Ahmedabad Municipal Corporation
Sardar Patel Bhavan
Ahmedabad – 380 001
Gujarat (INDIA)

June-2026

AHMEDABAD MUNICIPAL CORPORATION
SECTION-V
BILL OF QUANTITIES

A. General Instruction for the BOQ

1. The Bill of Quantities shall be reading conjunction with the Instruction to Bidders, Conditions of Contract, Technical Specifications.
2. The bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the bidders own expense. No claim in future for unknown with the site by the bidder shall be granted in any case.
3. The quantities given in the Bill of Quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract. **Contractor shall not raise any claim for too less or too more quantities executed by him. Quantity may vary with respect to BOQ as well as place of work also may change cited in the tender.**
4. The rates and prices Bid in the priced Bill of Quantities, except in so far as it is otherwise, provided under the Contract, include all constructional plant, labour, supervisions, materials, all temporary works and false works, erection, maintenance, establishment and overhead charges, profit, any taxation and levies, octroi and other charges together with all general risks, liabilities and obligations set out or implied in the Contract and including remedy of any defects during the Defects Liability Period.
5. The stipulated rates in BOQ are entirely in India Rupee Currency.
6. Rates shall be entered both in figures and words against total amount of Bill of Quantities. However, Items (for which rate has been provided) against which no quantity is entered will be paid for by the Employer on actual measurement onsite when executed.
7. The whole cost of complying with the provisions of the Contract shall be deemed to have been included in the items provided in the priced Bill of Quantities.
8. General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. Reference to the relevant sections of the contract documentation shall be made before quoting the bid against each item in the Bill of Quantities.
9. The method of measurement of completed work for payment shall be in accordance with the requirement as stated in the individual sections of the Technical Specifications.

10. Contractor shall credit the material dismantled during the work in progress in AMC store suggested by Engineer in charge of the work.
11. AMC reserves the right to decrease the scope of work or to increase of any condition. AMC may start it after approval of competent authority.
12. After getting work order from AMC contractor shall provide following.
 - (i) 2 Nos Laptops (Make –Latest version- DELL / HP/ Toshiba)
 - (ii) One Air conditioner 1.5 Ton
13. After completion of work contractor shall provide following to AMC..
 - (i) 5 Nos Tables of size 2.5 feet x 4.00 feet (Godrej make)
 - (ii) 10 Nos. Chair (Cello / Neelkamal make)
 - (iii) 2 Nos. Steel Cupboard (Godrej Make)
 - (iv) 5 Nos. Revolving Office chair (Godrej make)

Note:-

Detailed technical specification for all the Items above shall be relevant to PWD manual general material specification there in during the construction period of the contract. Contractor should adhere to the specifications and same shall be considered as the tender document.

Incase of any discrepancy the decision of engineer in-charge shall be considered as final.

In case of any dispute the decision of City Engineer shall be considered as final.

Seal and Signature of the Bidder

Date:

**Additional City Engineer
(South West Zone)**

Ahmedabad Municipal Corporation

PRICE QUOTATION SHEET

Earnest Money Paid Rs. : **Rs. 3,49,868/-**

Date of Opening of Tender :

Name of Work : **Providing & Laying Incoming Gravity line, Construction of Storm Water Pumping Stations (Civil, Electrical and Mechanical Work), Rising Main and LT Room Near APJ Abddul Kalam Hall in FP-170, TP-83in Maktampura Ward including O&M work for 2 years in South West Zone of AMC Area**

Quoted Price in Rs. 3,49,86,708/-

I / We am / are willing to carry out work at _____ % above / below* percent (should be written in figures and words) of the estimated cost, as mentioned above. Amount of my / our tender works out for Rs. _____ (in figures)
Rupees _____ (in words)

Note : * Please strike out above or below, whichever is not applicable.

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

Tendered Cost For
Providing & Laying Incoming Gravity line, Construction of Storm Water Pumping
Stations (Civil, Electrical and Mechanical Work), Rising Main and LT Room Near APJ
Abddul Kalam Hall in FP-170, TP-83in Maktampura Ward including O&M work for 2
years in South West Zone of AMC Area

Sr. No.	Component	Amount (Rs.)
(A)		
1	Providing & Laying Storm Network around Falaknuma SWPS (600 & 900 mm dia.)	27,17,552.00
2	Construction at SWPS	
	(a) Civil work	66,37,410.00
	(b) Construction of LT Room	21,42,898.00
	(c) Mechanical work	40,61,377.00
	(d) Electrical work	15,49,385.00
	(e) Instrumentation work	12,07,557.00
	(f) Office Furniture, Tools & Test Equipment	48,000.00
3	Providing and Laying 450 mm dia. DI-k9 Rising main from Proposed SWPS to Existing 2000 MM dia. Storm Trunkmain	1,50,91,773.00
	Capital Cost (Total of A)	3,34,55,952.00
(B)	O& M work (2 years)	15,30,756.00
	Total Cost (A+B)	3,49,86,708.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

SCHEDULES OF QUANTITIES AND RATES FOR
Providing & Laying Storm Water Network Around Falaknuma SWPS

Item No.	Description	Qty	Rate in Rs.	Unit	Amount in Rs.
1	Excavation for pipe line trenches etc. for all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soils and soft murrum				
	i) 0.0 to 1.5 m.	1900.00	89.00	m ³	1,69,100.00
	ii) 1.5 to 3.0 m.	810.00	98.00	m ³	79,380.00
2	Extra rate over item of excavation of earth if excavation is to be done in wet condition without resorting to pumping out incl. of bailing out of water.	245.00	18.04	m ³	4,419.80
3	Manufacturing, testing, supplying, loading, transporting to worksite, unloading. RCC pipe of following class with Socket and spigot joints as per IS 458 -2021 including EPDM Rubber ring as per IS 5382-1985 etc. comp. As Directed by Engineering in charge.				
	RCC NP3 Pipe with OPC Cement				
	300 mm dia. for Curb inlet	120.00	747.00	Rmt.	89,640.00
	600 mm dia. Pipe	300.00	1909.00	Rmt.	5,72,700.00
	900 mm dia. Pipe	40.00	3537.00	Rmt.	1,41,480.00
4	Lowering, laying and jointing R. C. C. pipes of following diameters in proper position, grade and alignment at all level as directed by Engineer-in-charge including conveyance from stores to site of work, labour, giving hydraulic testing as per ISI code.				
	R.C.C. PIPES (At any Depth)				
	300 mm dia. Pipe	120.00	119.00	Rmt.	14,280.00
	600 mm dia. Pipe	300.00	228.00	Rmt.	68,400.00
	900 mm dia. Pipe	40.00	340.00	Rmt.	13,600.00
5	Providing & Constructing Precast RCC Manhole in RCC M-40 grade Controlled concrete as per drawing, in OPC including excavation, 80 mm thick P.C.C. in M-15, Reinforcement in TMT-500, PVC Foot steps, Providing & fixing FRC Manhole frame & cover complete etc.				
	<u>For 600 dia. Pipe (upto 4 m. depth)</u>				
	(i) 1.2 dia x 2.0m Depth	6.00	38936.00	No	2,33,616.00
	1.2 dia - 2.01 to 2.99 m Depth	6.00	9034.00	Rmt.	54,204.00
	<u>For 900 mm dia.pipe for any depth & For 600 dia. Pipe (more than 4 m. depth)</u>				
	(i) 1.5 dia x 2.0m Depth	2.00	50265.00	No	1,00,530.00
	1.5 dia - 2.01 to 2.99 m Depth	2.00	10666.00	Rmt.	21,332.00

Item No.	Description	Qty	Rate in Rs.	Unit	Amount in Rs.
6	Constructing curb inlet with catch basin of size 0.75 x 0.75 m depth upto 1.0 m including excavation, refilling, 23 cms thick brick walls in CM (1:5) with C.C. 1:4:8, 20mm thick cement plaster in CM (1:3) outside and 10 mm thick inside cement plaster in CM (1:3), including perforated precast concrete Extra heavy duty (EHD) 35 type frame & cover incl. carting to the work site & fixing , Coping in M25, PVC foot steps etc. complete.				
	i) Curb inlet with catch basin	12.00	11370.00	No.	1,36,440.00
7	Providing and casting in situ C.C. in grade M-20 (proportions as per mix design or as per table9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, formwork, needle vibrated consolidation, curing complete up to 6 meter depth or height (excluding cost of reinforcement and neat finishing) with centering and shuttering/deshuttering etc. complete for structure other than water retaining	4.00	5520.00	m ³	22,080.00
8	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures. Do-deformed (TMT) bars confirming to relevant IS Fe-500 grade for all diameters.	1.00	77504.00	MT	77,504.00
9	Extra rate over item of excavation of earth for excavation of asphalt pavement/RCC of thickness upto 0.2 mt. including demolishing the asphalt carpet, metal, solling/cutting reinforcement etc. complete with stacking the material as directed.				
	a) Upto 0.2 meter thickness (By Manual)	145.00	72.14	Smt.	10,460.30
10	Extra rate over item of excavation of earth for excavation of asphalt pavement/RCC of thickness upto 0.3 mt. (By any type of breaker machine of RCC Cutter machine including cost of operator, fuel, &transportation etc complete). □	580.00	180.36	Smt.	1,04,608.80
11	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers in subbase / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per MoRTH clause 406.	185.00	1146.95	m ³	2,12,185.75
12	Dismantling of the existing structure including removing and stacking the dismantelled materials as and where directed (a) R.C.C Work	100.00	886.05	m ³	88,605.00
13	Demolition and disposal of unserviceable materials with all lead and lift. (i) Unreinforcement cement concrete	100.00	603.23	mt3	60,323.00

Item No.	Description	Qty	Rate in Rs.	Unit	Amount in Rs.
14	Demolition of Brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) In cement Mortar	50.00	544.95	mt3	27,247.50
15	Refilling the pipeline trenches incl. ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 km.	2515.00	22.00	m ³	55,330.00
16	Conveyance charge of earth, lime, murrum, building 'rubbish, manual garbage, sludge, excavated rock, fly ash,'aggregate of any kind etc. complete.				
	(i) Upto 5.0 Km lead	500.00	103.26	m ³	51,630.00
	(i) 5 to 10 Km lead	500.00	150.63	m ³	75,315.00
17	Shoring or timbering for trench with 50 mm thick planks and suitable size truts etc. complete.	100.00	71.00	Sq.m	7,100.00
18	Construction of chambers in RCC M30 with Ordinary Portland cement with TMT Fe-500 reinforcement,PCC150 mm thick in M 15 , 15 mm thick Plaster, cost of excavation, refilling and PVC foot steps including providing RCC Slab in one single piece with Providing & fixing of FRC (heavy duty) machinehole frame and cover etc. complete.				
	a) Excavation				
	0.0 to 1.5 m.	15.00	89.00	m ³	1,335.00
	1.5 to 3.0 m.	15.00	98.00	m ³	1,470.00
	3.0 to 4.5 m.	15.00	103.00	m ³	1,545.00
	b) PCC M-15	2.00	4732.00	m ³	9,464.00
	c) RCC M-30				
	RCC Wall	6.00	8083.00	m ³	48,498.00
	RC.C. Top Slab	1.00	8213.00	m ³	8,213.00
	RC.C. Base Slab	1.00	8213.00	m ³	8,213.00
	d) TMT Fe-500 Reinforcement	1.00	77504.00	MT	77,504.00
	e) 15 mm thick Inside Cement Plaster in CM 1 : 3	30.00	176.58	m ²	5,297.40
	f) RCC Precast MH Frame & Cover	1.00	2146.25	Nos.	2,146.25
	g) Refilling	20.00	22.00	m ³	440.00
	h) PVC steps	12.00	87.00	Nos.	1,044.00
19	Making connection to the ex. M.H. in running sewer incl. Dewatering and other required machinery etc. of following dia pipes at any convenient time. All damaged work shall be well repaired as per instructions.etc. complete.				
	* 150 mm to 300 mm dia.	5.00	1352.68	No.	6,763.40
	* 400 mm to 600 mm dia.	5.00	2254.46	No.	11,272.30
	* 700 mm to 900 mm dia.	5.00	3156.25	No.	15,781.25

Item No.	Description	Qty	Rate in Rs.	Unit	Amount in Rs.
20	Providing and operation dewatering Pump including fuel charges & operator Charges etc. as directed etc. comp. (Shift for Eight Hour) (For Each Pump Set, No payment should be allowed for non working condition of machinery)	50.00	541.07	Shift	27,053.50
			Total Rs.		27,17,552.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

SCHEDULES OF QUANTITIES AND RATES FOR

CONSTRUCTION OF SWPS BY WELL SINKING AT FALAKNUMA IN AMC AREA

Item No.	Description	Qty.	Rate in Rs	Unit	Amount in Rs.
01	Providing fabricating and placing cutting edge and curbs as per design and drawing manufactured from structural steel or M.S. plate confirming to ISS 226-1962 incl. Riveting, welding etc. complete. incl. m.s.bars, anchor bolts and structural steel etc complete.	2.00	87934.00	MT	175868.00
02	Excavation for well including removing and spreading the excavated stuffs directed with all lead.				
	From 0.0m to 1.5m	75.00	128.00	Cu.m.	9600.00
	From 1.5m to 3.0m	75.00	141.00	Cu.m.	10575.00
	From 3.0m to 4.5m	75.00	155.00	Cu.m.	11625.00
	From 4.5m to 6.0m	75.00	172.00	Cu.m.	12900.00
	From 6.0m to 7.5m	75.00	190.00	Cu.m.	14250.00
	From 7.5m to 9.0m	75.00	210.00	Cu.m.	15750.00
	From 9.0m to 10.5m	30.00	233.00	Cu.m.	6990.00
	From 10.5m to 12.0m	40.00	259.00	Cu.m.	10360.00
03	Sinking single circular well of internal diameter and thickness of steining as specified up to the level as specified in all sorts of soil including hard murrum, boulders and all strata type & strata up to the level as per drawing by dredging, dewatering, drop chiselling with necessary kentledge and with mechanical means as may be necessary for this type of work including all labour, plant machinery etc. complete. Zero level to be considered from cutting edge level. Including all labour charges with Dewatering but Excluding cost of Cutting Edge & Well steining				
	Well excavation by Sinking				
	For 6.0 mt internal dia well incl. Dewatering				
	1. 0 to 3 mt depth	3.00	22404.00	Rmt.	67212.00
	2. Beyond 3 mt up to 6 mt depth	3.00	24134.00	Rmt.	72402.00
	3. Beyond 6 mt up to 9 mt depth	3.00	25899.00	Rmt.	77697.00
	4. Beyond 9 mt up to 12 mt depth	2.00	26995.00	Rmt.	53990.00
04	Providing and casting in situ C.C. in grade M-25 For Bottom Pludge (approx. corresp. to prop. 1:1:2) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. (excluding cost of reinforcement and neat finishing) with centering and shuttering/de-shuttering etc. comp. for structure for other than water retaining. Footing (without form work)	99.00	5313.40	Cu.m.	526026.60

Item No.	Description	Qty.	Rate in Rs	Unit	Amount in Rs.
05	Providing and laying controlled cement concrete M30 for bottom raft with vibrating, curing etc. complete excluding the cost of form work and reinforcement etc.complete as directed.	17.00	8213.00	Cu.m.	139621.00
06	Providing and casting in situ Controlled Cement Concrete M-300 for Well curbs including necessary shuttering, laying, vibrating and curing complete.	48.00	8083.00	Cu.m.	387984.00
07	Providing and casting in situ controlled Cement Concrete M-300 for Well steining including necessary shuttering, laying, vibrating and curing complete.	155.00	8083.00	Cu.m.	1252865.00
08	Providing and cast in situ C.C. in grade M-30 proportions of ingredients as per mix design by weigh batching using granite, quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 or 6 mm to 12 mm mm including scaffolding centering formwork, needle vibrated consolidation, curing and hydrylic testing etc. complete (excluding cost of reinforcement) with centering & shuttering/ deshuttering etc. for all water retaining structures.				
	R.C.C. base slab	4.00	8213.00	m ³	32852.00
	R.C.C. walls	42.00	8083.00	m ³	339486.00
	R.C.C Beams	17.00	8486.00	m ³	144262.00
	RCC Column	10.00	9317.00	m ³	93170.00
	R.C.C. Top slab	2.00	8213.00	m ³	16426.00
	R.C.C. Grade slab	3.00	8213.00	m ³	24639.00
	R.C.C. Staircase	2.00	8213.00	m ³	16426.00
09	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift below G.L. for all diameters. Do - deformed (TMT) bars confirming to relevant IS Fe - 500 grade for all diameters.	26.00	77504.00	MT	2015104.00
10	Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. (excluding cost of reinforcement and neat finishing) with centering and shuttering/de-shuttering etc. comp. for structure for other than water retaining. Footing (without form work)	40.00	4732.00	m ³	189280.00

Item No.	Description	Qty.	Rate in Rs	Unit	Amount in Rs.
11	Supplying, cleaning, cutting, bending, welding, fabricating, erecting structural steel in position irrespective of locations and levels as per drawing including handling and transport etc. complete including applying two coats of primer red oxide and two coats of approved quality of paint over it etc. complete as directed for gentry girder, platform, stairs, chequered plate for cable trench etc.	2564.00	99.00	Kg	253836.00
12	Grouting with 1:3 cement mortar for anchor bolt pockets machine bases, pipe sleeves, pocket holes etc. including roughening and cleaning of concrete surfaces curing etc. complete.	2.00	3587.13	m ³	7174.26
13	Providing and applying with two coats 20 mm thick inside cement plaster with ordinary portland cement and waterproofing agent on inside of well consisting of 12 mm thick backing coat of C. M. 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of C. M. 1:1 (1 cement: 1 sand) etc.complete including necessary curing, scaffolding required if any etc. complete.	450.00	303.00	m2	136350.00
14	Providing and applying 20 mm thick sand faced cement plaster at outside RCC / brick on work upto height 10 mtr. above ground level consisting of 12mm thick backing coat of C. M. 1:3 (1 cement : 3sand) and 8 mm thick finishing coat of C. M. 1:1 (1cement : 1 sand) etc. complete.	80.00	300.66	m2	24052.80
15	Providing and laying 40 mm thick cement concrete flooring in 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including waterproofing compound finishing with a floating of neat cement etc. complete laid in one layer finished including necessary curing with Ordinary Portland cement at bottom of well and at plinth level of well.	30.00	308.03	m ²	9240.90
16	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture of under coated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	80.00	79.22	m ²	6337.60
17	Providing & fixing 50 cm wide MS ladder (without safety cage) fabricated from MS flats 10 mm x 75 mm with 20 mm dia steel bar steps in double rows @ 30cm C/C. The include stays of 10 mm x 50 mm flats fixed at 3 mt. C/C with welding anchoring and 3 coats anticorrssive paint.	5.00	2950.00	Rmt.	14750.00
18	Providing and fixing water tight construction or expansion joints 150 mm. dia. Wide thin ribbed PVC.	152.00	330.00	Rmt.	50160.00

Item No.	Description	Qty.	Rate in Rs	Unit	Amount in Rs.
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg / Sq. Cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	5.00	4021.02	m ³	20105.10
20	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/cm2 in superstructure and parapet in cement mortar 1:6 (1 cement : 6 coarse sand)	5.00	4295.99	m ³	21479.95
21	Providing and fixing 40mm dia. GI pipe medium weight (3.17 kg/rmt approx) quality as railing with angle iron support at 1.5 m c/c using 75 x 75 x 10 mm angles, 1.15 m long with three rows of pipes as railing including necessary painting with two coats of approved quality oil paint over one coat of approved primer including necessary welding, bolting required, if any.	17.00	1784.00	Rmt.	30328.00
22	Providing and fixing MS grating with 8 mm thick 50 mm wide flat at 50 mm c/c to form grid pattern as specified and wherever directed including two coats of approved quality oil paint with one coat of primer red oxide etc. complete.	15.00	12590.00	m ²	188850.00
23	Providing and fixing plastic moulded reinforced steps with 10 mm TOR steel bar with plastic polyproclene (P.P.) material (vergin) etc. complete.	60.00	87.00	No.	5220.00
24	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundation in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering. .	65.00	130.39	m ³	8475.35
25	Providing and fixing 1.20 Metre high fencing with 2.0 Metre long M.S. Angle posts 40mm x 40 mm x6 mm and oil painting 3 coats fixed at 2.5 Mt,C/c.with five Horizontan lines and two diagonals of galvanised steel barbed wire weighting 9.38 Kg. per 100 Metre, strained and fixed to posts with G.I.staples including fixing the posts in ground with 0.5 M x 0.5.M x 0.5 M. block in C.C1:5:10 etc. complete.	100.00	389.25	Rmt.	38925.00
26	Fabricating and fixing in position MS structural section such as flat, pipes, plates, hold fast, anchoring bolts / bars of required size including fixing, welding and two coats of approved anti corrosive paint over prime coat of red-oxide including RCC gate column as per drawing etc. complete as directed by Engineer-in-charge. (a) 2.2 m height and 6 m wide main and wicket gate	650.00	99.00	Kg	64350.00

Item No.	Description	Qty.	Rate in Rs	Unit	Amount in Rs.
27	Earthwork for embankment including breaking clods, dressing with all lead and lift (including watering and consolidation) (E) From Borrow area within all lead Rolling of earthwork in layers with power roller including filling in depressions which occur during the process.	220.00	183.70	m ³	40414.00
			Total		66,37,410

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

**SCHEDULES OF QUANTITIES AND RATES FOR
CONSTRUCTION OF LT ROOM AT FALAKNUMA IN AMC AREA**

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
1	Empty boring to the required depth (measured from bottom of pile cap/Ground beam to founding level) by means of hydraulic pilling rig through all strata like soil, sand, clay, murrum, gravel, pebble, boulder, cobble, soft rock, etc. for pile of diameter as below, supported with the help of bentonite slurry including all required plant & machineries, disposal of excavated material with all leads & lifts, mobilisation demobilisation, remobilisation if required, transportation of required plant and machineries, etc. Method of boring shall be as per IS 2911-Part 1 - Section -II. 1.)Bore hole Drilling shall be done by use of hydraulic rig using temporary casing of required depth upto cut off level of pile, using bentonite slurry 2.)Reinforcement will be paid separately. 3.)Rate shall also include drilling and socketing in rock at required depth. 4.)Length of pile shall be measured from bottom of pile cap and upto the founding level. 5.)Rate is inclusive of empty boring through overburden (i.e. temporary working platform, etc.) 450mm dia	120.00	380.74	Rmt.	45688.80
2	Performing Integrity Test (low strain) on all vertical pile. The item shall include chipping of weak concrete at the top of pile, leveling, bending of reinforcing bars, preparation of pile head including testing with pile driving analyser or approved equivalent. To be carried out at least 15 days after concreting of piles. A specialist approved Agency shall be employed by the Contractor for the test. The test shall be carried out as per relevant ASTM code. The item is including complete testing with approved apparatus, analysis of results and conclusions including submission of test reports in three hard copies with soft copy in CD.	12.00	819.38	No.	9832.56
3	Providing & laying controlled cement concrete M 300 for R.C.C. bored piles of 0.45 m dia. including ramming,vibrating, curing and finishing complete.	20.00	4781.88	m ³	95637.60
4	Providing & casting in-situ controlled cement concrete M 300 for R.C.C. pile cap including necessary formwork, vibrating, curing and finishing complete.	8.00	4981.89	m ³	39855.12
5	Excavation for foundation with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified.				
	0 to 1.5 m depth	40.00	117.08	Cum	4683.20
6	Extra over item no. 1 above for lead from 0 m to 5 Kms. as directed. .	10.00	103.26	m ³	1032.60
7	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundation in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering.	30.00	130.39	Cum	3911.70

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
8	Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. (excluding cost of reinforcement and neat finishing) with centering and shuttering/de-shuttering etc. comp. for structure for other than water retaining. Footing (with form work)	10.00	4906.00	Cum	49060.00
9	Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. (excluding cost of reinforcement and neat finishing) with centering and shuttering/de-shuttering etc. comp. for structure for other than water retaining. Footing (without form work)	5.00	4732.00	Cum	23660.00
10	Providing and cast in situ C.C. in grade M-30 proportions of ingredients as per mix design by weigh batching using granite, quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering formwork, needle vibrated consolidation, curing and hydraulic testing etc. complete (excluding cost of reinforcement) with centering and shuttering/deshuttering etc. comp. up to 6 meter height /depth Av. G.L.for all water retaining structures				
	a) R.C.C. Plinth beams	10.00	8486.00	Cum	84860.00
	b) R.C.C. Grade Slab	10.00	8213.00	Cum	82130.00
11	Providing and cast in situ C.C. in grade M-25 proportions of ingredients as per mix design by weigh batching using granite, quartzite trap metal of size 12 mm to 20 mm and or 6 mm to 12 mm including scaffolding centering formwork, needle vibrated consolidation, curing and hydraulic testing etc. complete (excluding cost of reinforcement) with centering and shuttering/deshuttering etc. comp. up to 6 meter height /depth Av. G.L.for all water retaining structures				
	a) R.C.C. beams, lintels and bracket for gantry or chain pully blocks, plinth beams, tie beams, weather shed etc.	11.00	8347.00	Cum	91817.00
	b) R.C.C. slabs and platform	8.00	8077.00	Cum	64616.00
	c) R.C.C. columns	6.00	9195.00	Cum	55170.00
	d) R.C.C. footings & Raft	1.00	8077.00	Cum	8077.00
	e) R.C.C. Staircase	1.00	8266.00	Cum	8266.00
	f) R.C.C. vertical Walls	2.00	8262.00	Cum	16524.00
12	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift below G.L. for all diameters. Do - deformed (TMT) bars confirming to relevant IS Fe - 500 grade for all diameters.	10.00	77504.00	MT	775040.00
13	Supplying, cleaning, cutting, bending, welding, fabricating, erecting, structural steel in position irrespective of location and levels as per drawings including handling and transport, etc. complete including applying two (2) coats of primer red oxide and two (2) coats of approved quality paints	1150.00	99.00	kg	113850.00

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
14	Providing and applying 15 mm thick cement plaster in single coat on brick work with floating coat of net cement slurry for interior plastering upto finished even and smooth in Cement motar 1:3 (1 cement : 3 sand) including racking out joint curing, scaffolding required if any, with necessary cement finishing etc. complete as directed.				
	(i) Wall	110.00	224.79	m ²	24726.90
	(ii) Ceiling	70.00	249.60	m ²	17472.00
15	20 mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8 mm thick finishing coat of C.M. 1:1 (1-cement : 1 sand) etc. complete.	170.00	300.66	m ²	51112.20
16	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/cm2 in superstructure and parapet in cement mortar 1:6 (1 cement : 6 coarse sand) including racking out joints, curing,scaffolding required in any as directed.	22.00	4295.99	Cum	94511.78
17	Brick work using common burnt clay building bricks having crushing strength not less than 35kg / Sq. C. M. in ramp, steps and Foundation & Plinth in cement mortar 1:6 (1 cement : 6 coarse sand) including racking out joints, curing, scaffolding required if any etc. complete, as directed.	22.00	4021.02	Cum	88462.44
18	Providing Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/cm2 in C. M. 1:4 for partition work including raking out joints, curing, scaffolding etc. complete as directed for any height.	5.00	638.78	m ²	3193.90
19	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture of undercoated wall surface to give an even shade including thoroughly brushing the surface free from mortar droplings and other foreign matter and sand papered smooth.	170.00	79.22	m ²	13467.40
20	Distempering in 3 coats with oil bound distemper of approved brand and manufacture and of required shade on wall surface to give an even shade over and including a primer coat with distemper primer of approved brand, thoroughly brushing the surface free from mortar dropping and other foreign material and also inclusive of preparing the surface even and smooth etc. complete, as directed	180.00	107.23	m ²	19301.40
21	Applying two coats of Birla(white cement based) or Asian (acrylic putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	350.00	40.59	m2	14206.50
22	Providing and applying Coal Tar Epoxy protective paint in two coats of DFT 210 microns for foundations / concrete surfaces in contact with soil complete as per specifications and as directed by the Engineer including all leads and lifts etc. complete.	40.00	161.00	m2	6440.00
23	Providing and fixing iron doors including using the frames of channels, angles and flats and MS sheets as per drawing including revating or welding and fixing in concrete block including iron fixture and fastening with one coat of primer and 3 coats of enamel paint etc. complete.	630.00	99.00	kg	62370.00

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
24	Providing & fixing in position aluminium fully panelled doors with 15 micron natural matt brush finish anodised as per over all size shown on the drawings and aluminium sections of approved make conforming to IS:733 and IS :1285, made out of 102 mm x 45 mm x 1.90 mm thick aluminium outer frame section weighing 1.640 Kg/m. and shutter sections with bottom / lock rail 96 mm x 45 mm x 2.7 mm, top rail 48 mmx 45 mm x 2.70 mm weighing 1.38 Kg/m.vertical styles 48 mm x 45 mm x 1.90 mm weighing 0.976 Kg/m. with rounded sides, fixed with rawl plugs and screws or with fixing clips, or with expansion hold esters including necessary filling up of gaps at junctions, at top,bottom and sides with required PVC/neoprene felt etc. and aluminium snap beading for glazing / panelling, C. P. brass/stainless steel screws, including standard anodised aluminium fittings and fixtures of approved make and of adequate size and in adequate numbers, double action floor springs of approved make for each shutter with standard pivot panels of 12 mm thick pre-laminated three layer medium density, exterior grade particle board (termite proof, water proof and fire proof) Grade 1, Type II conforming to IS : 12823 bounded with phenol formaldehyde synthetic resin, of approved make including cost and fixing of fixtures etc. complete as per detailed drawigns with all lead and lifts.	2.00	3024.00	m ²	6048.00
25	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17 mm (of Jindal Section no : 2459 @ wt. of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75 mm x 1.30 mm (of Jindal Section no. 8688, @ Wt. 1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50 mm (of Jindal Section no. 8933, @ Wt. 1.06 Kg/mt.) with sliding shutters of horizontal member size 40mm x 18mm x .29 mm (of Jindal section no. 8947 @ wt. 0.456 Kg/mt.) vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no. 8949 @ wt. of 0.456 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc.	9.00	1583.95	m ²	14255.55
26	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section: 2434, @ Wt. 0.643 Kg/mt.) with colour powder coated aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	1.00	1175.56	m ²	1175.56
27	Providing precast cement concrete jali or louvers 40 mm thick 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in CM 1:3 and curing, painting complete	1.00	646.60	m ²	646.60

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
28	Providing & fixing in position aluminium grill with 15 micron natural matt brush finish anodised as per over all size and aluminium sections of approved make conforming to IS:733 and IS : 1285, made out of DG - 104 design (Jindal or equivalent) fixed with required size F channel, rawl plugs and screws or with fixing clips, or with expansion hold esters including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. and aluminium snap beading for glazing / panelling, C. P.brass/stainless steel screws, including standard anodised aluminium fittings and fixtures of approved make and of adequate size and in adequate numbers, including cost and fixing of fixtures etc. complete as per detailed drawings with all lead and lifts.	12.00	1974.00	m ²	23688.00
29	Kota stone in Jams and Sills of the window and ventilation and Door with one molding as directed by Engineer-in-charge.	13.00	1279.00	m ²	16627.00
30	Providing throating or plaster drip and moulding to R.C.C window	21.00	41.66	Rmt	874.86
31	Painting two coats including priming coat on new steel & other metal surfaces with enamel paint, brushing, interior to give an even shade including cleaning the surface of all dirt, dust, other foreign matter.	20.00	122.49	m ²	2449.80
32	Providing and fixing 50 cm wide M.S. Ladder fabricated from M.S. Flats 10 mm x 75 mm with 20 mm dia steel bar steps in double rows, @ 30 cm C/C. The include stays of 10 mm x 50 mm flats fixed at 3 meter C/C with welding anchoring and 3 coats anticorrosive paint. (M.S. ladder (with safty cage)	5.00	3687.50	Rmt	18437.50
33	Providing and fixing PVC pipe of 6 Kg./cm ² of 160 mm dia for rain water pipe with shoe.	5.00	1290.00	Rmt.	6450.00
34	Providing and fixing 40mm dia. GI pipe medium weight (3.17 kg/rmt approx) quality as railing with angle iron support at 1.5 m c/c using 75 x 75 x 10 mm angles, 1.15 m long with three rows of pipes as railing including necessary painting with two coats of approved quality oil paint over one coat of approved primer including necessary welding, bolting required, if any.	9.00	1784.00	Rmt	16056.00
35	Providing and laying broken China Mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over Cement mortar 1:3 to plain or slope and to be tempered to bring mortar crème out upto surface using white cement including rounding of junctions and extending them upto 15 cm. along the wall, clearing with water and oxalic acid etc. as directed.	35.00	747.29	m ²	26155.15
36	Providing and laying polished Kota stone slab flooring over 20 mm (average) thick base of cement mortar 1:6 (1 cement : 6 coarse sand) laid over and jointed with grey cement slurry including rubbing and polishing etc. complete at LT & HT & office room	23.00	992.66	m ²	22831.18
37	25 mm thick Providing and laying polished Kota stone slab 25 mm thick in riser of steps,skirting dedo and pillars laid on 10 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete	3.00	1187.79	m ²	3563.37

Sr. No.	Items	Qty.	Rate in Rs.	Unit	Amount in Rs.
38	Providing 100 mm x 100 mm size vata in cement concrete (1:2:4) including water proofing compounds, smooth finish, curing, etc. complete	90.00	41.00	Rmt	3690.00
39	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete.	5.00	460.19	Cum	2300.95
40	Filling in foundation & plinth with murrum or selected soil in layers of 20 cm thickness including watering, ramming and consolidating etc complete.	30.00	289.06	Cum	8671.80
Total Cost					21,42,898.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1.1.1	MECHANICAL WORK SUBMERSIBLE NON-CLOG PUMP SET Supply, Installation, Testing and Commissioning (SITC) of Submersible NC Pump-Motor set suitable for sewage application with semi-open or enclosed or suitable type Impeller & wear Rings in CF8M with CI FG 260 Casing & casing cover, SS 410 shaft & with motor suitable for 3-Phase, 415 V, 50 Hz., AC induction Air filled dry type submersible motor of mini. rating as specified having max. 1500 RPM sync. speed, insulation Class 'F' With temp. rise limited to class B and IP-68 protection. The scope shall include all required accessories viz. automatic coupling device, SS-304 heavy duty & of suitable size double guide pipes of length to suit the sump height with required supports, SS-304 or suitable stainless steel grade Chain with shackles (shall be with dual hook / shackles of 150 mm or suitable higher size at app. every 1.5m C-C distance) & of length as per sump height + min. 3m, Submersible Power & control cable (copper flexible & stranded type conductor of reqd. cores & size for each pump motor set) & length of sump height + min. 5 m long each run with necessary electrical termination connection at junction box / starter panel and RCC foundation blocks for auto coupling & delivery bend, PMU etc. complete as per IS, Tender Drawings and Specification and also including in scope any other parts / accessories / fittings required to complete the work in all respects & satisfactory operation of pump set. Pump Capacity : 600 m3/hr (1W + 1S) Head: 14 m, Motor Rating: min. 37 kW (or higher rating as reco. by pump manufacturer) Over all Efficiency at Duty- min. 68.0 %	2	Set	7,01,761	14,03,522
2.1.1	SITC of CI/ DI Electric Actuator operated Double Flanged, Sluice Valve confirming to IS 14846, PN 1.0 of following sizes with SS 304 seat rings and SS spindle with hot dipped galvanised hardwares, bolts, nuts & washers etc. as per IS and Specification & complete the work in all respects. Size: 350 mm NB (on delivery of each pumpset)	2	Nos.	1,35,833	2,71,666
2.2.1	SITC of CI/DI double flanged Dual Plate Check Valve conforming to API 594, Class 125 with Cast Steel dual door, hinge pin & stop pin of SS 410, springs of AISI 304 and seat of SS 304, along with all required accessories, gaskets and hardwares, etc. and as per specification & complete the work in all respects. Size: 350 mm NB (on delivery of eachpumpsets)	2	Nos.	62,921	1,25,842
2.3.1	SITC of CI/DI Flanged Air Valve with Isolation Sluice Valve as per AWWA / IS 14845 PN-1.0 & IS-14846 PN-1.0 respectively with SS304 float, gun metal nozzle, complete hardware's, bolts, nuts & washers, gaskets etc. complete as per IS and Specification. Size: 80 mm NB (On header after flow meter)	1	No.	14,189	14,189
3.1.1	SITC of Flange ends Expansion Bellow (PN 1.0) as per EJMA standards and as per specs. and complete in all respect. Size : 350 mm NB X 300 mm L (on delivery of each pumpsets & common header near flow meter)	3	Nos.	12,840	38,520
4.1.1	DI PIPES SITC of double flanged DI Pipes confirming to IS 8329-2000, class K9 with connections complete for delivery and header lines and as per specifications. The scope also includes connection with main header/rising main & complete the work in all respects. Size: 350 mm dia. & above	1800	kg	158.00	2,84,400

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4.2.1	DI FITTINGS Supply, installation, connection with delivery / header, testing and commissioning of double flanged DI Fittings and Specials like 90 deg. Bend, Drilled / Drilled Blind Flanges, Reducer / enlarger, Tee, etc. as required to complete the piping and connection of pumps with header/rising main conforming to IS 9523 & complete the work in all respects. Size: 350 mm dia. & above	1200	kg	158.00	1,89,600
5.1.1	Flanged Joints of Pipes, Fittings and Specials: Supply, Installation, Making of Flanged CI / GI / MS Pipes, Fittings and Specials Joints with all jointing materials, rubber packing, nut bolts, labour etc.for complete connection. Size: 350 mm dia.	23	Nos.	1,442	33,166
5.1.2	--- Item description as above --- Size: 450 mm dia.	1	Nos.	2,131	2,131
6.1.1	MONORAIL EOT WITH ELECTRIC CHAIN HOIST SITC of Electrically Operated Chain Hoist & Electrically operated Trolley, suitable to operate on Mono Rail Girder having motorised motion, mfg. as per IS:6547-1972-Class-II & IS-3177- Class-II, complete with brake, chain-gear, motors, safety device, pendant push button, starter panel, cables from motor to starter panel and all other required accessories like limit switches, power supply system (Fastoon cable type), fasteners, epoxy painting, etc. tested for over load as per IS and as per specs, complete in all respect. Capacity : min. 1.0 Ton. (For Manually Screen) Lift : 7.00 m as mini. or as per site req. Bay Length : 3.5 m or as per site req. (w/o MONORAIL GIRDER & MS supporting structure)	1	Set	2,85,272	2,85,272
6.1.2	--- Item description as above --- Capacity : min. 2.0 Ton. (For SUBMERSIBLE NON-CLOG PUMP SET) Lift : 11.00 m as mini. or as per site req. Bay Length : 8.0 m or as per site req.	1	Set	3,42,327	3,42,327
7.1.1	SITC of Electric Actuator Gear operated C.I. Sluice Gate conforming to AWWA C 501 or IS : 13349 - 1992 Class - 1 with rising spindle, single faced, wall thimble mounted, handwheel, flange back frame, head stock, Spindle with supports brackets having length as specified or to suit site condition, suitable for seating as well as unseating water head, complete in all respect. Gate Size : 900 mm X 900 mm - approx. 4.4 m spindle length (at Inlet Pipe)	1	No.	7,28,154	7,28,154
8.1.1	SITC of Box Type Manual mesh Screen having following size, made of SS 304 material having round bars of size 9.0 mm dia with clear bar opening as specified here below, suitably welded in outer frame of equal Leg SS angle of size 50 mm x 50 mm x 6 mm thick or higher, with intermediate support at required locations, complete as per specs. & shall also including followings: The screen shall be with SS perforated Screening Material Collection Box at bottom end of Screen having size as specified, fabricated from 3 mm thk SS sheet, screen shall be suitable to slide complete screen through rollers between existing guide passage of MCP 400, embedded/ fixed in wall on both sides of RCC wall up to top of chamber with all necessary hardware, SS nuts, bolts & washers, sacrificial Brass lugs on sides, min. two lifting lugs/hooks & SS lifting chain having intermediate link/chain of 150 mm dia. at every 1.5 m distance with shackle, etc. complete in all respects and provided with 1 set of cleaning rake with each screen, complete as per specification and complete in all respect. Screen Size: 1000 mm (W-or actual chamber width as per site) x 1200 mm (H) x 300 mm (D) Box Size: 1000 mm (W-or actual screen width) x 300 mm (H) x 300 mm (D) Opening: 50 mm x 50 mm sq. opening Note : 1. Screen suitable for 1100 mm wide screen chamber or to suit site requirement. (w/o Guide channel & MS supporting structure)	1	set	1,90,182	1,90,182

SR. NO.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9.1.1	Providing, Supply of Structure Steel at site of work with freight, loading, unloading carting, etc. including all taxes and duties complete such as joints, channels, angles, Iron Rails, ISA/ISMC/ISMB/MS flat, Plates, Chequered plates (min. 7.0 mm thickness) for cable trench etc. required for support structure of all Electro-mechanical equipment, piping, etc. for support on floor / wall / beam / brackets etc. as per tender and IS.	2000	kg.	64.838	1,29,676
9.1.2	Labour Charges for lowering, laying, Fixing with fabrication various size section of MS such as joints, channels, angles, Iron Rails, ISA/ISMC/ISMB/MS flat, Plates, Chequered plates, for cable trench etc Complete with two coats of red oxide and two coats of approved colour shade of epoxy paint as per relevant IS and as per specification.	2000	kg.	11.365	22,730
A	TOTAL OF MECHANICAL WORK W/O GST				40,61,377.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
1.1	ELECTRICAL WORK TPN MCCB (For LT Service Obtaining Requirement) SITC of 250A TPN microprocessor MCCB, LSIG (50kA) with inbuilt O/L, S/C & E/F protection with Extended rotary handle, Terminal spreader, Auxiliary change over & Trip contact, with Outdoor Enclosure with canopy 2mm thick , Single/double door & Wall mounted/ stand mounted as per site requirement (with incoming & outgoing cable entry at bottom)with Cable end boxes with RYB indicating lamp, Digital voltmeter, VSS,ON,OFF & Trip indicating lamp etc as per Power supply company requirements & location. Including all civil works for fixing of panel on wall. (Wall mounted at Location as per PSC req.)	1	Set	39,391.46	39,391.46
2.1	MEDIUM VOLTAGE PANEL BOARD (PMCC /APFC) SITC of PMCC Panel (50kA), compartmentalized, Floor mounted, operating height maximum 1800/1900 mm, Extensible on both ends, suitable for Manual & Auto operation -Local & through PLC/SCADA operation as per site conditions complete in all respects as per Tender SLD / Specification / IS and including following as minimum: (1) One no. Incoming feeder FP 250A Microprocessor MCCB (50kA), LSIG, with inbuilt O/C, S/C, & E/F protection for I/c with Digital Voltmeter, Voltmeter selector switch, Digital Ammeter, Ammeter selector switch, Power Factor Meter, MFM with RS-485 of Class-0.5, Indicating lamps R,Y,B,On,off,Trip, 3nos. 250A/5A, Cl.-0.5 metering CT, CL 0.5 CT for APFC relay etc. Constant voltage/control voltage transformer 1500VA, 415V/230V AC, with tapping +/-5% in steps of 2.5%, 32A DP MCB complete in all respects. (2) 250A TPN Main Aluminium busbars. (Main busbars size with current density 0.8A/Sq.mm)	1	Set	7,69,000.00	7,69,000.00
	(3) 37 KW STAR -DELTA STARTER FEEDER (SUBM.): 2 NOS : (1W+1S) : 37 KW or higher as per pump manufacturer recommendation Star-delta starter with 125A TPN Thermal magnetic MCCB with Adjustable O/L & Adjustable S/C protection, 95A AC3 duty contactors (3 nos.), O/L Relay, star-delta timer, MFM with RS-485, Resin Cast CT Cl: 0.5, MPR with RS-485, CBCT, SPP, PMU as per pump vender Reco., A/M, L/R switch, ON, OFF, TRIP Indication & Start, E-Stop & Reset pushbutton etc. for S/D starter. complete in all respects. & LCS (PBS) for Actuator-valve with 16A FP MCB, open,close,stop PB, open,close,trip & L/R indication & 2 nos. terminal strip, SP MCB etc. Note : For Actuator LCS (PBS) shall be provide potential free contact for (open,close,trip & L/R) indication and terminal for Open,close and stop command because actautor shall be operator from PLC Panel also in addition to LCS (PBS). (4) 63A TPN TM MCCB FEEDER : 2 Nos. (2 nos. spare) Each feeder comprising of 63A TPN Thermal Magnetic (TM) MCCB, with indicating lamp etc. (5) 32A TPN TM MCCB FEEDER : 4 Nos. (1 no. for EOT with ECH at Pump House, 1 no. for EOT with ECH at Screen, 2 nos. spare) Each feeder comprising of 32A TPN Thermal Magnetic (TM) MCCB, with indicating lamp etc. (6) 63A TPN TM MCCB FEEDER FOR ALL MCB FEEDERS: 1 set: Incomer: 63A TPN Thermal Magnetic (TM) MCCB, with indicating lamp etc. a) 4 nos. 32A 'C' curve 4P MCB feeders (for 1 no. Indoor LDB, 1 no. for ICP/PLC Panel, 2 nos. Spare)			rate incl in above price	

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
	b) 1 no. 32A 'C' curve 4P MCB with Time switch,32A contactor 4P,ON lamp feeders (for Outdoor LDB) c) 2nos. LCS (PBS) with 16A FP MCB, indicating lamp,Push Button, A/M,L/R switch, SP MCB, etc. (1 no. MOG at Inlet, 1no. MOV at Header) Note : For Actuator LCS (PBS) shall be provide potential free contact for (open,close,trip & L/R) indication and terminal for Open,close and stop command because actautor shall be operator from PLC Panel also in addition to LCS (PBS). (7) APFC separate cubical compartment (minimum 35 KVAR) having 1 no. 80A TPN Thermal magnetic MCCB 50KA with adjustable overload and adjustable short circuit, 12 step APFC relay with RS 485, 1 no. 80 A/5A, Cl.-1.0 CT for Ammeter, Digital Ammeter, ASS, 2 nos. 10 kVAR capacitor with 32A TPN MCCB with capacitor Duty Contractor, 2 nos. 5 kVAR capacitor with 16A TPN D curve MCB with capacitor Duty Contractor, 2 nos. 2 kVAR capacitor with 16A TPN D curve MCB with capacitor Duty Contractor, 1 no. 1 kVAR capacitor with 16A TPN D curve MCB with capacitor Duty Contractor, A/M switch, On delay timer, Push Buttons etc. Complete in all respects as per Specification, IS & SLD. (8) Multiplication relay as required for dry run protection of pumps. NOTES: (1). All MCCB shall be 50KA, Ics = 100% Icu, inbuilt protection with adj O/L and Adj.S/c (LSIG for MP MCCB),Extended rotary handle, Terminal spreader, Auxiliary Change over contact and trip contact as required. (2) All MFM, ACB, Soft Starter,Temp.Scanner etc shall be with inbuilt RS 485. (3)For Actuator LCS (PBS) shall be provide potential free contact for (open,close,trip & L/R) indication and terminal for Open,close and stop command because actautor shall be operator from PLC Panel also in addition to LCS (PBS).			rate incl in above price	
2.2	SITC of Lighting Distribution Board (LDB) as under: SITC of 3 Phase 4 Wire 4P, double door Prewired LDB each for Indoor Lighting & Outdoor Lighting Suitable to house : Incoming: 32A FP, ELMCB (30mA) Outgoing: 20A SP MCB (9 nos.) & 16A SP MCB (9 nos.)	2	Nos.	7,568.94	15,137.88
2.3	SITC of LCS pushbutton station ON & OFF (E-stop) set complete with Enclosure, necessary mounting/ fixing arrangement on wall / pipe support etc. to be installed near motors for remote operation, etc. as per IS and specifications. (including structural steel) (For Pump)	2	Nos.	2,008.47	4,017
2.4	SITC of stand / wall mounting type Outdoor type MS Junction Box with canopy of MS Steel of minimum 2.5mm thick, with detachable cable gland plate of 3mm thick, duly powder coated, with earth bus running throught length of the box, steel structure stand for mounting of JB, etc. for Jointing/Termination suitable for 1.1 kV Submersible Flexible Copper Power cable with Aluminium armoured power cable from PMCC Panel. Scope shall include providing suitable rating AL busbars with maximum current density 0.8 A/mm ² , Support insulators, Crimping type lugs,nuts,bolts,washers etc. complete in all respects as instructed by E.I.C. Drawing shall be got approved before SITC of the same. Lugs of cables shall not be connected directly also seperation shall be provided between power & control cable. JB of minimum Size: 400mm x 400mm x 400mm or higher as required (for Subm. Pump power cable)	2	Nos.	2,542.37	5,084.75

**SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH
2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL
CORPORATION (AMC).**

Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
2.5	SITC of stand / wall mounting type Outdoor type MS Junction Box with canopy of MS Steel of minimum 2.5mm thick, with detachable cable gland plate of 3mm thick, duly powder coated, with earth bus running throught length of the box, steel structure stand for mounting of JB, etc. for Jointing/Termination suitable for 1.1 kV Submersible Flexible Copper Control cable with Aluminium armoured power cable from PMCC Panel. Scope shall include providing suitable rating AL busbars with maximum current density 0.8 A/mm ² , Support insulators, Crimping type lugs,nuts,bolts,washers etc. complete in all respects as instructed by E.I.C. Drawing shall be got approved before SITC of the same. Lugs of cables shall not be connected directly also seperation shalll be provided between power & control cable. JB of minimum Size: 400mm x 400mm x 400mm or higher as required (for Subm. Pump control cable)	2	Nos.	2,542.37	5,084.75
3.1	LOW VOLTAGE (LT) CABLES Supply, laying, testing and commissioning of 1.1 kV, A2XFY(X)/2XWY(X) XLPE insulated (IS 7098) AL / Cu stranded conductor, Extruded innersheath cables as per specification & IS. The cable when laid outside the building shall be laid underground in trench with brick & sand protection/in DWC pipes as per specified method and shall be laid in prepared trench/ on cable tray when laid inside the building. SITC of 3.5C x 240 sq. mm. A2XFY(X) Cable (1 run for MCCB to PMCC panel)	30	Mtr.	1,161.50	34,845
3.2	SITC of 3C x 16 sq. mm. A2XFY (X) Cable (2 runs for PMCC Panel to 2 nos. 37kW Subm. Pump-Motor J.B.)	150	Mtr.	141.40	21,210
3.3	SITC of 4C x 6 sq. mm. A2XFY (X) Cable (For 1 no. Indoor LDB, 1 no. for Outdoor LDB, 1 no. for EOT with ECH at Pump House, 1 no. for EOT with ECH at Manual Screen)	150	Mtr.	124.23	18,634.50
3.4	SITC of 4C x 2.5 sq. mm. 2XWY(X) Cable (2 nos. MOV at pump Delivery, 1 no. MOG at Inlet, 1no. At Header, 2 nos. for PMU, 1 no. ICP/PLC Panel & for 4 nos. street light)	350	Mtr.	269.67	94,384.50
3.5	SITC of 5C x 2.5 sq.mm. 2XWY(X) Cable (For Pump-Motor LCS)	50	Mtr.	220.00	11,000.00
3.6	SITC of 12C x 2.5 sq.mm. 2XWY(X) Cable (2 nos. MOV at pump Delivery, 1 nos. MOG at Inlet, 1no. At Header)	200	Mtr.	419.15	83,830
3.7	SITC of Single core 95sq. mm. PVC insulated circular unsheathed copper conductor flexible Cable (For Power supply Metering Panel to I/c MCCB Unit)	20	Mtr	875.67	17,513.40
4.1	CABLE END TERMINATION AND CONNECTION: SITC of Double compression Ni-Plated brass cable glands and crimping type Bimetallic lugs / sockets with necessary tools and equipments as specified in specifications and IS. The glands and lugs / sockets shall be suitable for cable size and type mentioned below & as per specifications. 1) Earthing the glands and armouring with earthing clamp and jumper and also connecting to common earth bar. 2) The job also includes, if necessary, supply & fixing of extension busbar of same material on MCCB or panel board terminal / connector to connect more than one no. of parallel cables or to connect higher size cable to lower size unit. The job also includes earthing the glands and armour of the cable with common earth bar or flexible copper mesh.(Cable termination qty. shall be as per site requirement) SITC of 3.5C x 240 sq. mm. A2XFY(X) Cable (1 run for MCCB to PMCC panel)	2	Nos.	838.00	1,676.00
4.2	Same as above but, 3C x 16 sq. mm. A2XFY (X) Cable (2 runs for PMCC Panel to 2 nos. 37kW Subm. Pump-Motor J.B.)	8	Nos.	160.00	1,280

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
4.3	Same as above but, 4C x 6 sq. mm. A2XFY (X) Cable (For 1 no. Indoor LDB, 1 no. for Outdoor LDB, 1 no. for EOT with ECH at Pump House, 1 no. for EOT with ECH at Manual Screen)	8	Nos.	111.00	888
4.4	Same as above but, 4C x 2.5 sq. mm. 2XWY(X) Cable (4 nos. MOV at pump Delivery, 1 nos. MOG at Inlet, 1no. At Header, 2 nos. for PMU, 1 no. ICP/PLC Panel & for 4 nos. street light)	26	Nos.	65.65	1,706.90
4.5	Same as above but, 5C x 2.5 sq.mm. 2XWY(X) Cable (For Pump-Motor LCS)	8	Nos.	180.00	1,440.00
4.6	Same as above but, 12C x 2.5 sq.mm. 2XWY(X) Cable (4 nos. MOV at pump Delivery, 1 nos. MOG at Inlet, 1no. At Header)	12	Nos.	260.00	3,120
4.7	Same as above but, Single core 95sq. mm. PVC insulated circular unsheathed copper conductor flexible Cable (For Power supply Metering Panel to I/c MCCB Unit)	10	Nos.	47.47	474.70
5.1	CABLE TRAY SITC of G.I. (hot dip galvanised) Ladder type medium duty (2mm thick) Cable Tray with necessary bends, tees, reducers, covers and clamps for fixing. All material shall be Hot dip galvanised as per Specification. And including all accessories. 300 x 100 mm - Ladder type	60	Mtr.	556.51	33,390.60
5.2	Same as above but, 150 x 50 mm - Ladder type	150	Mtr.	278.76	41,814.00
5.3	Supply, laying and erection of 75 mm ID approved make Double Walled Corrugated pipes (DWC) of polyethelene (confirming to IS-14930 II) with necessary connecting accessoies of same material at required depth for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. (LT cable etc)	80	Mtr.	144.00	11,520
5.4	Cable Trench, Laying & Installation of Cable: Making cable trench in soft soil of suitable width of 90cms deep for laying cable, Sand cushioning and brick protection on sides and on top all over the run and back filling the same and making the surface as normal ground as per IS & Specification. (For laying of LT cable in ground)	50	Mtr.	46.46	2,323.00
5.5	Cable Protection/ Covering in Trench: Cable Covering with second class bricks or cement tiles laid cover the cable (top) & also on both side with sand bedding/cusioning of 75mm.& covering of 150mm Layer of sand above cable (16 bricks per meter.) as per IS & Tender Drg/ Specification. (For HT/LT cable protection) complete in all respects as instructed by EIC.	20	Mtr.	134.33	2,686.60
6.1	CHEMICAL EARTHING SYSTEM SITC of Maintenance free chemical earthing (copper) with earthpit of minimum bore size dia. 225mm Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS-3043:1987 /Tech spec. made of corrosion free Pipes having Outer pipe dia of 48 mm having 250 Micron copper plating, Inner corrosion free Hot dip galvanised (80 to 100 micron) pipe dia of 26 mm with copper flat strip type connection terminal 14mm dia with constant ohmic value surrounded by highly conductive corrosion resistant chemical compound with high charge dissipation suitable for electrical installation & of 3Mtr. length of Pipe with two nos. 25Kg. bag of Back filling compound. (2nos. for ICP) NOTE: Earthing Resistance value & date shall be painted on the chamber cover.	2	Set	10,593.89	21,188

**SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH
2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL
CORPORATION (AMC).**

Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
6.2	SITC of Maintenance free chemical earthing with earthpit of minimum bore size dia. 225mm Safe Earthing Electrode consisting Pipe-in-Pipe Technology as per IS-3043:1987 /Tech spec. made of corrosion free Hot dip Galvanised (min 150 Microns) Pipes having Outer pipe dia of 76 mm , Inner corrosion free Hot dip galvanised (80 to 100 micron) pipe dia of 26 mm with copper flat strip type connection terminal 14mm dia with constant ohmic value surrounded by highly conductive corrosion resistant chemical compound with high charge dissipation suitable for electrical installation & 3Mtr. length of Pipe with two nos. 25Kg. bag of Back filling compound. (2 nos. for LT panel & 4nos. for all elect. Equipments) NOTE: Earthing Resistance value & date shall be painted on the chamber cover.	6	Set	7,095.25	42,571.50
6.3	SITC of 50mm(w) x 8mm(T) etc. sizes as required, HOT dip galvanized GI Strip including supply & fixing using GI spacers, saddles when laid inside the building and inclusive of excavation & refilling of earth when laid outside the building & interconnection with earth pit & all electro-mechanical equipments. (50X6 G.I Strip wt.2.3 kg/m, 2.3x150Mt.=345kg.)	345	Kg.	77.77	26,830.65
6.4	Supply, laying and erection of 25mm(w) x 3mm(T) etc. sizes as required, HOT dip galvanized GI Strip including supply & fixing using GI spacers, saddles when laid inside the building and inclusive of excavation & refilling of earth when laid outside the building & interconnection with earth pit & all electro-mechanical equipments. (25X3 G.I Strip, 0.6 Kg/m, 0.6x100Mt.=60Kg.)	60	Kg.	77.77	4,666.20
6.5	Supply, laying and erection of 25mm(w) x 3mm(T) etc. sizes Copper Strip including supply & fixing of bolts, saddles when laid inside the building and inclusive of excavation & refilling of earth when laid outside the building & interconnection with earth pit & PLC Panel (25X3 Cu. Strip, 0.761 Kg/m, 0.761 x 40 mtr.=30.44Kg.) Copper Bolt,Nuts ,Washers shall be used for Connecting Earth electrode to individual eqp. Bitumen shall be used at the place of joint/welding. (For PLC Panel to Earthing)	30	Kg.	794.87	24,195.84
6.6	SITC of HOT Dip Galvanized iron strip wire 8 SWG (For LDB,LCS, etc.) (8 SWG G.I Strip, 0.103 Kg/m, 0.103 x 200Mt.=20.6 Kg.)	21	Kg.	77.77	1,602.06
7.1	INTERNAL WIRING SITC of Mains & outlet points wiring with 1.1 kV grade FRLS PVC insulated ISI marked flexible stranded copper conductor wires with medium class min. 25mm. dia. Electrical grade PVC pipe and accessories to be erected concealed in / to be run on surface / wall / ceiling with following sizes as mentioned below. The unit rate wirings shall be with connector, PVC junction box, wires, holder, ceiling rose, angle holder, switch, sockets, switch board, brass chromium / cadmium plated machine screws, phase and neutral wires, green Earth continuity wires etc. as required to complete wiring from LDB panel to the final outlet termination points. The wiring shall be as per IS:732, IS:4648 and as per tender specification / IS. (a) SITC of Mains wiring with 3 wire 1.5 sq.mm.	50	Mtr.	78.78	3,939.00
7.2	same as above, but (b) SITC of Mains wiring with 3 wire 2.5 sq.mm as per tender specification & IS.	80	Mtr.	96.96	7,756.80
7.3	same as above, but (c) SITC of Mains wiring with 4 wire 1.5 sq.mm as per tender specification & IS.	100	Mtr.	86.86	8,686.00
7.4	same as above, but (d) SITC of Mains wiring with 4 wire 2.5 sq.mm as per tender specification & IS.	120	Mtr.	120.19	14,422.80
7.5	SITC of Point wiring for Light / fan / Bell / Primary Point with 2nos. 1.5 sq. mm & earth wire of 1.5 sq. mm (green) both are of ISI marked 1.1 kv grade FRLS PVC insulated multistrand copper wires , pipe to be erected concealed in flushed on wall / ceiling, complete with 6A Tissino Type ISI marked flush type switch / bell push & accessories erected on metal / PVC Box covered with 3 mm thick PC (Polycarbonate) / Acrylic sheet with necessary lamp holder / ceiling Rose / H. D. connector as directed with medium class Rigid PVC pipe & accessories.	16	Nos.	329.26	5,268.16

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
7.6	SITC of 6A independent Plug with 2nos. 1.5 sq.mm Cu. Mains size wiring & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires with medium class Rigid PVC pipe and accessories to be erected on wall / ceiling, complete with ISI marked 3 / 5 Pin socket and tissino type switch erected with earth continuity connection erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet. (2 nos. LT Room)	2	Nos.	290.88	581.76
7.7	SITC of 6/16A independent Plug with 2nos. 4 sq.mm Cu. Mains size wiring & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires with medium class Rigid PVC pipe and accessories to be erected on wall / ceiling, complete with ISI marked 3 / 5 Pin socket and tissino type switch erected with earth continuity connection erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet. (2 nos. LT Room)	2	Nos.	570.65	1,141.30
7.8	SITC of Sheets steel powder coated weather proof enclosure with One no. 32A, 415V 4P MCB for Motor & Inductive load (C Curve) having 10 KA breaking capacity & confirms to IS: 8828. (1 no. for EOT with ECH at P.H., 1 no. for EOT with ECH at Manual screen)	2	Nos.	772.65	1,545.30
8.1	LED LIGHT FIXTURES & LIGHTING: SITC of Indoor wall mounting 20Watt or up to 25% higher wattage LED 4 feet Tube Light indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA polyester powder coated and high U.V. & corrosion resistance with diffuser and/or Polycarbonate optics with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 20 %, CCT 4000 K to 6500K, Uniformity ratio >0.7, Luminaries efficacy> 85 lumens/watt , LED driver efficiency > 85 % (Each fitting required LM-79 & LM-80 Certificates) Tube Light with integral / non-integral driver, Surge-4KV,IP-20, 4 feet, Cat-III (5 nos. at LT Room)	5	Nos.	295.93	1,479.65
8.2	Item description as per Sr. No.7.1 SITC of 7 watts LED Lamps integral type,cool white with PC diffuser suitable for B22 LAMP holder (2 nos. LT Room)	2	Nos.	112.11	224.22
8.3	1200mm sweep ceiling fan, capacitor type, having double ball bearing 450mm down rod, canopies, shackle, rubber bush, blades, electronic speed regulator, suitable to operate on 230V,50Hz AC supply conforming to IS: 374/1979.Fan shall be painted with white colour.(2 nos. LT Room)	2	Set	1,596.81	3,193.62
8.4	SITC of 40W LED Surface / Wall mounted LED Flood Light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 20 %, CCT 5000 K to 5700K, Uniformity ratio >0.45, Luminaries efficacy> 85 lumens/watt . LED driver efficiency > 85 %. (Each fittings required LM-79 & LM-80 certificates) (IP-65), Surge -4KV Cat-III For Indoor use: (at Pump House)	2	Nos.	5,194.43	10,388.86
8.5	SITC of 'B' class galvanised iron pipe 32 mm outside dia 45 cms long duly welded on 20 cms x 20 cms x 3 mm thick M.S. base plate, erected on wall or corner for mounting luminaries with necessary hardware materials duly painted for wall mounting indoor flood light fixtures on Wall of Buildings & post top lantern.	9	Nos.	558.53	5,026.77

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
8.6	SITC of 40watt, Cat-III Post Top Lantern LED fitting comprises of 650 MM TOP Diameter, 120 degree beam angle with 3 Nos. Supporting Ribs and with 0.5mt. G.I. fitting pipe with complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint for Post of lenturn pipe etc. (for Gate light)	2	Nos.	5,034.85	10,070
9.1	EXTERNAL LIGHTING (Flood LIGHT): SITC of 70W LED Wall mounted LED Flood Light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 20 %, CCT 5000 K to 5700K, Uniformity ratio >0.45, Luminaries efficacy> 85 lumens/watt . LED driver efficiency > 85 %. (Each fittings required LM-79 & LM-80 certificates) (IP-65), Surge -4KV Cat-III For Outdoor use: (for area lighting)	5	Nos.	6,088.28	30,441.40
9.2	EXTERNAL LIGHTING (STREET LIGHT): SITC of Street Light Pole , steel tubular swaged type, 7.5 meter long with single arm & M.S.base plate with pipe cap and over hung 1.5 m long having dia to suit the socket of 240V LED street light fixtures. Street light pole unit rate shall be with (i) IP 65 SMC box of size 20 x 15 x 15 cms. with MCB & terminal strip inside the box with hinged/sliding door (ii) 50mm dia, B class GI pipe bracket min.1.5mtr long for Incoming & outgoing cable (iii)MS Cable Clamp of 25 x 3mm (iv)SITC of 1.5 Mtr.single Arm bracket of medium duty MS pipe of 4.2 cms. Out side dia complete with suitable sleeve tubing 45 cms. long of required size of pole top etc. and having spread of 1.5.mtr. length with 110 deg.(v) Complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint for Pole,Arm, pipe etc.	4	Nos.	10,688.83	42,755.32
9.3	SITC of 70W LED Street light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 20 %, CCT 5000 K to 5700K, Uniformity ratio >0.45, Luminaries efficacy> 85 lumens/watt . LED driver efficiency > 85 %. (Each fittings required LM-79 & LM-80 certificates) Street Light (IP-65), Surge -4KV, 70 watt Cat-III	4	Nos.	5,976.17	23,904.68
9.4	SITC of M-20 / 1:2:4 cement concrete foundation for Street light pole & 70 % PCC from bottom including excavation for the pole of size 60 x 60 x 120 cms. Deep in below ground level with plinth of 45 cms x 45 cms(or 45 cms dia x 45 cms) high upper ground level with necessary curing and finishing in approved manner.	4	Nos.	1,292.80	5,171.20
10.1	SAFETY ACCESSORIES SITC of following safety accessories complete with necessary fixing brackets, other accessories and tools etc. as required to complete the job. Supply & Erecting carbon dioxide (CO2) fire extinguisher of 6.5kg capacity with necessary clamps made from 50 x 6 mm M.S. Flat with nut & bolts grouted in wall complete. (1 no. for LT Room)	1	No.	8,671.86	8,671.86
10.2	Supplying of standard first AID box with antiseptic cream, medicine for use on wounds due burn, crepe bandage, guage bandage, medicated ready to use bandage (Band-aid) adhesive tape for medicinal user, scissors, antiseptic solution (Savlon or similar) etc. (All above contents shall be of standard makes) (For 1 no. for LT Room)	1	No.	299.97	299.97

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
Sr. No.	Item Description	Qty.	Unit	Unit Rate, Rs.	Amount, Rs.
10.3	Supply & fixing of printed instruction (First Aid) Chart both in English and Gujarati and duly framed with front glasses, for treatment of person suffering from electric shock. (For 1 no. For LT Room)	1	No.	130.29	130.29
10.4	Supply and fixing of 20 W LED operated emergency light with maintenance free battery for 3 hours operation during mains power failure. (For 1 no. LT Room)	1	No.	2,670.00	2,670.00
10.5	Supply and laying of Synthetic Insulating Mat of Class - A of min. thickness 2mm as per IS:15652 and with good electrical insulation property for 1.1KV/3.3KV as per site requirement. (For LT Panel)	4	Sq.mtr	1,027.17	4,108.68
11.1	LIASONING CHARGES FOR OBTAINING NOC Power Liasoning Charges for obtaining N.O.C from Electrical Inspector / Statutory authority for Power / Ele. Installation. (Fees shall be paid by tenderer for obtaining N.O.C. from Electrical Inspector / Statutory authority on behalf of client and shall be reimbursed on submission of original receipt to Client). Liasoning Charges shall include preparing required attested documents & drawing for obtaining NOC on behalf of client (Applicable Fees / deposits shall be reimbursed by Client).	1	Ls.	15,000.00	15,000.00
B	TOTAL OF ELECTRICAL WORKS WITHOUT GST				15,49,385.00

Signature of Contractor

Name :

 Company's seal :

 Date :

Addl. City Engineer (South West Zone)

 Ahmedabad Municipal Corporation

 Date :

**SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS
WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD
MUNICIPAL CORPORATION (AMC).**

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT RATE	AMOUNT
1.1.1	INSTRUMENTATION WORK: PRESSURE MEASURING SYSTEM Supply, installation, testing & commissioning of Diaphragm Type pressure guage having 150 mm dial with necessary fittings/accessories in SS 316, manifold valve, nipples etc. complete. Range : 0 - 1.6 Kg/cm2 (at each pump's delivery side)	2	NOS.	5,522	11,044.00
2.1.1	Supply, installation, testing and commissioning of Hydrostatic type Level Transmitter for level based auto operation of pump along with 20 meter cable, junction box, all mounting accessories, hardware, Fixing of 2" size PVC pipe in sump for installation the Hydrostatic sensor, Clamp,etc. complete in all respects and as per specs and having following measurement ranges . Meas. Range: upto 10 m sump	1	NO.	80,130	80,130.00
2.1.2	Supply, installation, testing and commissioning of Float type Level Switch along with 10 mtr. Cable and WP Junction Box (at Sump / wet well for Dry run Protection of Pump) complete in all respects and as per specification.The scope also includes providing 4" flanged , puddle pipe approximate 300 mm long including fixing of the same in existing civil structure slabe of pump house for mounting of level switch.The work also include all necessary work like make hole, repair / modificationin existing slab, etc. Meas. Range: upto 10m	1	NO.	12,802	12,802.00
3.1.1	ELECTRO MAGNETIC FLOW METER Supply, installation, testing and commissioning of Full Bore Electromagnetic flow meter comprising of IP-68 Sensor, IP-66 remote type transmitter with 20 m cable between sensor and transmitter along with all mounting accessories, Weather proof enclosure for transmitter, hardware, mounting stand, etc. as per specification and to complete the work in all respect as per site condition necessary connection with pipe and shall have following size. Meter size: 350 mm NB Pipe Size : 350 mm NB	1	NO.	1,85,900	1,85,900.00
4.1.1	PLC BASED INSTRUMENT CONTROL PANEL Supply, Installation, Testing & Commissioning of PLC Based Instrument control Panel with 10" Color Touch Screen HMI, 4G or Latest GPRS modem with SIM card for remote data transmission to Central SCADA of AMC, Multiplication relay for Dry run protection of pump, etc. Instrument Control Panel (PLC Enclosure / Panel) with necessary PLC based logic and wiring , Min. 1 no. process Indicator for Level Tx, Min. 1 kVA UPS with 60 min backup , etc. complete in all respects and as per specs PLC having minimum I/O count of 24DI /12 DO / 4AI / 2AO. All work shall be carrierd out complete in all respects and as per tender specifications.	1	NO.	7,68,516	7,68,516.00
4.1.2	Necessary modification /provision in existing Central SCADA System at Central Control Room of AMC to monitor and control SWPS from Central Control Room. The Scope shall include providing register data / address mapping to existing Central SCADA system vendor / contractor .The acquisition of data of SWPS , Storage and Screen development for monitoring and control in existing Central SCADA shall be carried out by existing SCADA contractor / Vendor and the required charges as per this item shall be paid by successfull bidder of SWPS to Existing Central SCADA Contractor.	1	NO.	59,605	59,605.00

ITEM NO.	DESCRIPTION	QTY	UNIT	UNIT RATE	AMOUNT
5.1.1	INSTRUMENT CABLE & ACCESSORIES Supply, Laying, Installation, Connection, Termination, Testing & Commissioning of Instrument Cables and accessores as per specs. The unit rate shall include. (a) Supply, loading & unloading of the cable at site from store. (b) Shifitng of cable from site store to place of installation. (c) Fixing of cable clamps, brackets, supports, route markers etc. where ever required to fix the cables safely. (d) Excavation, back filling and levelling of ground alongwith laying of fine sand, protection bricks and other necessary civil material for laying cables outside the building. (e)Testing and submission of sketches & reports of all the cables laid. POWER CABLE 3C X 1.5sq.mm.	50	Mtr.	185	9,250.00
5.1.2	CONTROL CABLE 10C X 1.5sq.mm.	150	Mtr.	427	64,050.00
5.1.3	SIGNAL CABLE 1P X 1.5sq.mm.	50	Mtr.	177	8,850.00
5.2.1	INSTRUMENT CABLE TRAY GI Perorated type cable tray shall be made out of galvanized MS sheets of 2.0 mm thickness with required asccessories . All material shall be Hot dip galvanised as per IS 2629 as mentioned in specification and tray hardware shall be in GI. 50 X 25 mm - Perforated type	10	Mtr.	201	2,010.00
5.3.1	CABLE END TERMINATION & CONNECTION : Supply, fixing, connection, testing and commissioning of double compression brass cable glands and crimping type Bimetalic lugs / sockets with necessary tools and equipments as specified in specifications and IS complete in all respects. The glands and lugs / sockets shall be suitable for cable size and type mentioned above. The job also includes earthing the glands and armour of the cable with common earth bar or flexible copper mesh as applicable. POWER CABLE 3C X 1.5sq.mm	4	NOS.	184	736.00
5.3.2	CONTROL CABLE 10C X 1.5sq.mm	10	NOS.	356	3,560.00
5.3.3	SIGNAL CABLE 1P X 1.5sq.mm.	6	NOS.	184	1,104.00
C	TOTAL OF INSTRUMENTATION WORK WITHOUT GST				12,07,557.00

Signature of Contractor

Name :

Company’s seal :

Date :

Addl. City Engineer (South West Zone)

Ahmedabad Municipal Corporation

Date :

SCHEDULE OF QUANTITIES AND RATES FOR TOOLS, TEST EQUIPMENTS & OFFICE FURNITURE OF ELECTRO-MECHANICAL AND INSTRUMENTATION WORKS WITH 2 YEARS O&M FOR STROM WATER PUMPING STATION (SWPS) AT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
SCHEDULE - B1					
ITEM NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1.1	TOOLS & TEST EQUIPMENTS Magger of range 0 -1000V	1	No	8,000	8,000
1.2	Clipon meter (Battery operated) satisfying the following. (i)With 0.100 mA, 0-1 A and 0-200 A AC (ii) With 0-100 mV, 0-3 V, 0-30 V, 0-300 V and 0-1000 V (iii) Least five (0-100) m.Ohm,(0-1) Ohm, (0-10) Ohm, (0-100) Ohm, (0-1000) Ohm. (iv) The input impedance shall not be less than one maga ohms for voltage range.	1	No	6,000	6,000
1.3	Single Phase Elect. Portable Air blower 1500 RPM	1	No	5,000	5,000
2.0	LADDER Ladder shall be made out of light aluminium allow of good strength. They shall be of step ladder, foldable, self supportig type with sperader of metalic angles or high strength. 4.0 meter long	1	No	12,000	12,000
3.1	OFFICE FURNITURE Steel Office chair	2	Nos	3,500	7,000
3.2	Office table of min. size 1500 mm X 600 mm	1	No	10,000	10,000
D	TOTAL OF TOOLS, TEST EQUIPMENTS & OFFICE FURNITURE				48,000
Note: Above items shall be handed over to AMC before commencement of O&M / before payment of O&M for proposed SWPS.					

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

**SCHEDULES OF QUANTITIES AND RATES FOR
PROVIDING AND LAYING 450 MM DIA. DI-K9 RISING MAIN FROM PROPOSED SWPS TO
EXISTING STORM TRUNK MAIN**

Item No.	Description	Qty.	Rate in Rs.	Unit	Amount in Rs.
01	Excavation for pipe line trenches,etc. for all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified. In all sort of soils and soft murrum a) 0.0 to 1.5 m.	3910.00	89.00	m ³	3,47,990.00
2	Providing, supplying, lowering, laying & fixing D. I. K-9 grade pipes with EPDM gasket for following nominal bore diameter with internal cement mortar lining including all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores, stacking etc. complete. (IS 8329-2000) 450 mm dia DI K-9	1500.00	6938.00	Rmt	1,04,07,000.00
3	Manufacture, supply & delivery ,including fixing of Ductile Iron flange socket spigot bends, tees, reducers of any other specials as per BS-EN-545/1995 class-A series K12 suitable for use with DI pipes manufactured per IS 8329/1994 delivery of specials is to be made to Store or site of works any where including all taxes, loading, unloading, carting, stacking, insurance, inspection charges, octroi etc. complete. 350mm dia above	4140.00	151.00	kg	6,25,140.00
04	Providing and casting in situ C.C. in grade M-20 (proportions as per mix design or as per table9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, formwork, needle vibrated consolidation, curing complete (excluding cost of reinforcement and neat finishing) with centering and shuttering/deshuttering etc. complete for structure other than water retaining (Below G.L)				
	(a) RCC Footing	85.00	5520.00	m ³	4,69,200.00
05	Providing and casting in situ C.C. in grade M-15 (approx. corresp. to prop. 1:2:4) (proportions as per mix design or as per Table 9 of IS456 2000 in masses by weigh batching) using granite, quartzite trap metal of size 6 mm to 20 mm for RCC work, including scaffolding centering, form work, needle vibrated consolidation, curing comp. (excluding cost of reinforcement and neat finishing) with centering and shuttering/deshuttering etc. comp. for structure for other than water retaining. Footing (without form work)	3.00	4732.00	m ³	14,196.00

Item No.	Description	Qty.	Rate in Rs.	Unit	Amount in Rs.
06	Supplying cutting, bending, binding and placing in position steel as per plan and design and as per ISS 2502 including cost of steel and binding wire for reservoirs/structures only including lift below G.L. for all diameters Do - deformed (TMT) bars confirming to relevant IS Fe - 500 grade for all diameters.	1.00	77504.00	MT	77,504.00
07	Refilling the pipeline trenches including ramming, watering, consolidating disposal of surplus stuff as directed within a radius of 3 Km.	3640.00	22.00	m ³	80,080.00
08	Providing, supplying, lowering and laying CI/DI Temper proof /Bi Stream Air valves with SS 304 Float gun metal nozzle of approved make & quality of following class and diameter including all taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores, stacking etc. complete. With Isolating Sluice Valve PN 1.0 150 mm dia	3.00	25759.00	No.	77,277.00
09	Providing, supplying, Lowering, Laying & fixing ISI mark Cast Iron D/F Sluice Valves of following class and diameter including all taxes, insurance, transportation, freight charges, Octroi Inspection charges, loading, unloading, conveyance to site stacking, etc. complete. PN-1 with hand wheel /cap operated (PD Type short body)				
	(a) 300 mm dia	1.00	21525.00	No.	21,525.00
10	Extra rate over item of excavation of earth for excavation of asphalt pavement/RCC of thickness upto 0.3 mt. (By any type of breaker machine of RCC Cutter machine including cost of operator, fuel, &transportation etc complete). a) Upto 0.3 meter thickness	1125.00	180.36	Smt.	2,02,905.00
11	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers in subbase / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per MoRTH clause 406.	285.00	1146.95	m ³	3,26,880.75
12	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	205.00	47.72	Smt.	9,782.60

Item No.	Description	Qty.	Rate in Rs.	Unit	Amount in Rs.
13	Dismantling of the existing structure including removing and stacking the dismantelled materials as and where directed (a) R.C.C Work	65.00	886.05	m ³	57,593.25
14	Construction of chambers in RCC M30 with TMT Fe-500 reinforcement, PCC150 mm thick in M 15,15 mm thick inside cement plaster in C.M.1:3 and depth of chamber from G.L. to pipe invert level including complete civil works and inclusive of the cost of of excavation, refilling and PVC foot steps including providing RCC Slab in one single piece with fixing of FRC (heavy duty) manhole frame and cover or RCC 30 Precast slab in parts with key hole etc. complete.				
	a) Excavation				
	0.0 to 1.5 m.	45.00	89.00	m3	4,005.00
	1.5 m. to 3.0 m.	15.00	98.00	m3	1,470.00
	b) PCC M-15	5.00	4732.00	m3	23,660.00
	c) RCC M-30				
	RCC Wall	9.00	8083.00	m3	72,747.00
	RC.C. Top Slab	3.00	8213.00	m3	24,639.00
	RC.C. Base Slab	3.00	8213.00	m3	24,639.00
	d) TMT Fe-500 Reinforcement	2.00	77504.00	MT	1,55,008.00
	e) 15 mm thick Inside Cement Plaster in CM 1 : 3	35.00	176.58	m2	6,180.30
	f) FRC Manhole	4.00	2146.25	Nos.	8,585.00
	g) Refilling	25.00	22.00	m3	550.00
	h) PVC steps	20.00	87.00	Nos.	1,740.00
15	Carting and recarting of materials such as murum, earth, kapchi, gravel, brick bats, kankar, sand, debris etc. from the site to approved location, including loading				
	(i) 3 to 5 Km lead	1000.00	103.26	m ³	1,03,260.00
	(i) 5 to 10 Km lead	1000.00	150.63	m ³	1,50,630.00
16	Stitch core cutting by Hilti or Equivalent tools for up to all thick R.C.C. structure including removal and disposal off all RCC material with all lead & lift with all labour,Tools, machineries, required Scaffolding or platform etc. complete as directed by engineer in charge.				
	a) 200 mm (8") Core dia.	13.00	6555.00	Rmt.	85,215.00
17	Grouting with 1:3 cement mortar for anchor bolt pockets machine bases, pipe sleeves, pocket holes etc. including roughening and cleaning of concrete surfaces curing etc. complete.	3.00	3587.13	m ³	10,761.39

Item No.	Description	Qty.	Rate in Rs.	Unit	Amount in Rs.
18	Fixing of Rebar on concrete structure for connection with new structure using Hilti/Fischer or equivalent technology including all labour, tools & tackels temporary arrangement, safety measures etc. complete .				
	12 mm dia. Bar	10.00	230.00	No.	2,300.00
	16 mm dia. Bar	10.00	690.00	No.	6,900.00
	20 mm dia. Bar	10.00	1323.00	No.	13,230.00
19	Making connection to the ex. M.H. in running sewer incl. Dewatering and other required machinery etc. of following dia pipes at any convenient time. All damaged work shall be well repaired as per instructions.etc. complete.				
	* 400 mm to 600 mm dia.	1.00	2254.46	No.	2,254.46
20	Drilling /Pushing of 900 mm dia Horizontal borehole for Carrier pipeline under road incl all strata with required length incl. fixing of 800 mm dia M.S.casing pipe with pushing etc complete Providing & fixing size of pipe for 450 & 300 mm dia RCC carrier pipe under supervision of authority incl. Providing, supplying & fixing of spacer at specified interval if required between Casing pipe and carrier pipe, with all material labour fabrication, hydraulic testing of pipe etc complete (for 450 mm dia. Pipe)				
	Without water main & with MS Casing pipe - 800 mm dia, thickness:12 mm	75.00	22359.00	Rmt.	16,76,925.00
			Total Rs.		1,50,91,773.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company's seal :

Date :

Date :

SCHEDULE OF QUANTITIES AND RATES FOR SITC OF ELECTRO-MECHANICAL & INST. WORKS ALONG WITH COMPREHENSIVE REPAIR AND O&M WORK FOR 2 YEARS FOR STROM WATER PUMPING STATION ATAT FALAKNUMA OF AHMEDABAD MUNICIPAL CORPORATION (AMC).					
SCHEDULE - B 1 (C) COMPREHENSIVE OPERATION & MAINTENANCE					
Item No.	Item of Work	Duration	Unit	Estimated Unit Rates (in Figures)	Total Amount For Estimated Quantity
	<u>Staff Salary</u>				
1.1.1	During First Year The works of this schedule comprises supply of all labour (including reliever to ensure presence of specified type and no. of manpower per shift) for comprehensive operations and maintenance of proposed SWPS of AMC during O & M period from the date of successful commissioning. Total staff salary for First year for Operation of 5 months (To be Deployed During June to October), a) Pump Operator - (Skilled Operator/Experience of Pumping Station) - on round the clock basis (June to October) (Rs.625.51 x 365 /12=Rs.19,026*3Nos= Rs. 57,078/-) Rate inclusive of PF, ESI, Bonus etc. as per prevailing labour laws and regulation policy.	5	Month	57,078	2,85,388.94
1.1.2	Total of Manpower for Second Year (10% of Escalation on previous year)	5	Month	62,786	3,13,930.00
1.3.1	During First year Security Guard cum Helper cum Sweeper cum Mali (Physically Fit Person) (on round the clock basis) (To be Deployed During November to May) (Rs.598.1 x 365 /12=Rs.18,192*3 Nos= Rs. 54,577/-) Rate inclusive of PF, ESI, Bonus etc. as per prevailing labour laws and regulation policy.	7	Month	54,577	3,82,036.38
1.3.2	Total of Manpower for Second Year (10% of Escalation on previous year)	7	Month	60,035	4,20,245.00
	<u>Comprehensive Maintenance & Repairs</u>				
2.1.1	Comprehensive repairing, spares and maintenance of entire works along with administration & management charges including running office, cost of lubricants, consumables, spares, tools, statutory periodical approvals & testing of equipment, cleaning of Pump House etc. complete (except supply of electric power and storm water) during O&M period for First Year. (Covered under Defect Liability Period for First Year and consumables @ 0.5% of EMI cost).	12	Month	2,870	34,440.00
2.1.2	Total of Comprehensive Maintenance, Repairing, Spares, Consumables etc. for Second Year (0.75% for Spares + 0.5% for consumables = 1.25% with 10% of Escalation on previous year).	12	Month	7,893	94,716.00
E	TOTAL COST FOR COMPREHENSIVE OPERATION & MAINTENANCE (WITHOUT GST)				15,30,756.00

Signature of Contractor

Addl. City Engineer (South West Zone)

Name :

Ahmedabad Municipal Corporation

Company’s seal :

Date :

Date :