

## SCHEDULE - A

**Name of Work** A&A to E.I. For Power Supply at Block no:-9 in GEC at Sector-28, Gandhinagar.

**Fund Head : Deposited Work**

Sr. No.	Item No.	Particulars.	Qty.	Rate	Amount
1	1	NIL	---	---	---

Signature of Contractor

Deputy executive Engineer  
C.P Electrical R & B Sub Dn 21  
Gandhinagar.

## SCHEDULE - B

**Name Of Work :- A&A to E.I. For Power Supply at Block no:-9 in GEC at Sector-28, Gandhinagar.**

Item No.	Estimated Quantity		Item Description	Rate in Rs.		Unit	Amount in Rs.
				in Figure	In Word		
1	20	mtrs	Replacing old and u/s by providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (i) One wire 35.00 sq. mm	376.73	Rupees Three Hundred Seventy Six And Paise Seventy Three Only	mtr	7,534.60
	25	mtrs	(n) One wire 150.00 sq. Mm	1,827.09	Rupees One Thousand Eight Hundred Twenty Seven And Paise Nine Only	mtr	45,677.25
2	2	nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing.	8,861.74	Rupees Eight Thousand Eight Hundred Sixty One And Paise Seventy Four Only	Each	17,723.48
3	1	nos	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III Note:-1 Add Rs. 10% extra for housing/Encloser of MCCB for Item No 3-4-1 to 3-4-12 (The Enclosures should be used of same company of MCCBs to be used)	30,526.95	Rupees Thirty Thousand Five Hundred Twenty Six And Paise Ninety Five Only	Each	30,526.95
4			Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S.housing..				

	2	nos	(2) 125 A -200 A , CT Ratio 1/200	5,482.28	Rupees Five Thousand Four Hundred Eighty Two And Paise Twenty Eight Only	Each	10,964.56
	1	nos	(3) 250 A -400 A , CT Ratio 1/400	5,956.98	Rupees Five Thousand Nine Hundred Fifty Six And Paise Ninety Eight Only	Each	5,956.98
5	1.5	Rn. Mtr.	Replacing Old 200A Busbar by new Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (D) Suitable for 400 Amp. capacity	7,319.47	Rupees Seven Thousand Three Hundred Nineteen And Paise Forty Seven Only	Rn. Mtr.	10,979.21
6	5	kg	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	77.77	Rupees Seventy Seven And Paise Seventy Seven Only	kg	388.85

7	2	nos	<p>Supplying &amp; erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover. (A)(approved make OEM has to submit test certificate including value of earth resistance of installation duly stamped and signed by agency and officer Incharge has to ensure the value of earthing resistance mentioned in test Certificate) &amp; having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm / meter testing as per IEC 62561-2017, Voltage drop:- &lt; 1 volt at no load &amp; dry form, Sulphur content:- &lt;2%(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted by Agency. (a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.</p>	4,591.46	Rupees Four Thousand Five Hundred Ninety One And Paise Forty Six Only	Each	9,182.92
8	1	nos	<p>Providing and erecting multifunctional meter suitable for application of Power monitoring and showing measurement of following Voltage, Frequency, Apparent energy, Apparent power, Active and reactive energy, Active and reactive power, Average voltage Vavg, Peak demand power PM, QM, SM, Demand power P, Q, S, Apparent power S, S1, S2, S3, Unbalance current, Power factor and displacement PF (signed, four quadrant), Calculated neutral current, Active, reactive, apparent energy (signed, four quadrant), Active power P, P1, P2, P3, Voltage U21, U32, U13, V1, V2, V3, Phase currents, Average current lag, Peak demand currents, Reactive power Q, Q1, Q2, Q3, Demand current I1, I2, I3, [Us] rated supply voltage 40...300 V AC 45...65 Hz, 40...300 V DC, Network frequency 50 Hz, Type of network 3P, Display type 7 segments LED, Display colour Red, Messages display capacity 3 fields of 4 characters, Display digits 12 digit(s) - 14.2 mm in height</p>	14,123.84	Rupees Fourteen Thousand One Hundred Twenty Three And Paise Eighty Four Only	Each	14,123.84
9	25	mtrs	<p>Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (F) 3 1/2 core 120 Sq. mm ( 70 Sq. mm 1/2 core)</p>	648.42	Rupees Six Hundred Forty Eight And Paise Forty Two Only	mtr	16,210.50

	500	mtrs	(I) 3 1/2 core 240 Sq. mm( 120 Sq. mm 1/2 core)	1,401.88	Rupees One Thousand Four Hundred One And Paise Eighty Eight Only	mtr	700,940.00
10	370	mtrs	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	55.55	Rupees Fifty Five And Paise Fifty Five Only	mtr	20,553.50
11	80	mtrs	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground. (B) If additional machinery like hammer driller or JCB use [Add]	432.28	Rupees Four Hundred Thirty Two And Paise Twenty Eight Only	mtr	34,582.40
12	25	mtrs	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete. (A) Up to 100 mm bore dia	492.88	Rupees Four Hundred Ninety Two And Paise Eighty Eight Only	mtr	12,322.00
13	475	mtrs	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (D)120 mm outer dia.	137.36	Rupees One Hundred Thirty Seven And Paise Thirty Six Only	mtr	65,246.00
14	2	nos	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (H) 3 & 1/2 core 240 Sq. mm	247.45	Rupees Two Hundred Forty Seven And Paise Forty Five Only	Each	494.90
15	2	nos	Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (G) 120 Sq.mm.	45.45	Rupees Forty Five And Paise Forty Five Only	Each	90.90
	6	nos	(J) 240 Sq.mm.	85.85		Each	515.10
<b>Total Rs.</b>							<b>1,004,013.93</b>
<b>RUPEES IN WORDS :</b>			<b>Rupees Ten Lakh(s) Four Thousand Thirteen And Paise Ninety Three Only</b>				

I/We am/are willing to carry out the work at(No above rates allowed) \_\_\_\_\_ % below \_\_\_\_\_ percent (Should be written in figures and words) below the tendered rates mentioned above.

Amount of my/our tender works out as under :

**Put to Tender Rs. 1,004,013.93**  
Deduct \_\_\_\_\_ % below Rs. \_\_\_\_\_

**Put to Tender Rs. 1004013.93**  
**ADD \_\_\_\_\_ % ABOVE Rs. \_\_\_\_\_**

Net Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_

In word Rs. \_\_\_\_\_

In word Rs. \_\_\_\_\_

(Please strike out whichever is not applicable)

- 1 I/We hereby declare that I/We have visited the site, fully exquisite myself/ourselves with the local situation regarding materials and other factors pertaining to the work before submitting this tender.
- 2 I/we hereby declare that I/We carefully studied the conditions of specifications and other tender documents of this work and agree to execute the same accordingly.
- 3 A tender with any overwriting in percentage (should both in word and figures) rejected out right.
- 4 Insertions and/or corrections in the percentage quoted ( both in word and figures) resulting into increase in the value of the work shall be rejected outright unless it is authenticated by the office opening the tender at the time of opening of tender.
- 5 Dismantling the existing material taken by contractor as mention rates.

Signature of Contractor

**Deputy executive Engineer  
C.P Electrical R & B Sub Dn 21  
Gandhinagar.**

Less for the D.M						
Name of work:- A&A to E.I. For Power Supply at Block no:-9 in GEC at Sector-28, Gandhinagar.						
Sr.no	Item	Qty.	Per	DM rate	Total	Rate Quoted By Agency
1	Cost Of Old & u/s 35 Sq.mm Load Wire	20	Mtr.	33.12	662.40	
2	Cost Of Old & u/s 200A Cu. Busabr	1	Rn. Mtr.	285.39	285.39	
				<b>Rs.</b>	<b>947.79</b>	

Sign of Contractor

Dy.Executive Engineer  
Cap.Proj. Elect.sub.Div-21  
Gandhinagar

Exe.Engineer  
C.P.Electrical Division  
Gandhinagar