

NO.MO(I&S)/BWN/<u>/68</u>

MUNICIPAL COMMITTEE

BAHAWALNAGAR

Dated /6-03- 2024

Phone No.063-9240252 Email: MCBWN2017@gmail.com

To,

AE Power SSC 3P JV,

SF.10 DG Commercial Arcade, Divine Garden, New Airport Road,

Lahore.

0321-4176685

Subject:

WORK ORDER.

Name of Work

SOLARIZATION OF WATER WORKS AND DISPOSAL STATIONS IN

BAHAWALNAGAR CITY

Rs. 126048543/- (Twelve Crore Sixty Lack Forty Eight Thousand Five Hundred forty three

Rupees only)

Reference: Your tender dated 16-01-2024 for the work cited above being lowest is approved at a cost of Rs. 126048543/- (Twelve Crore Sixty Lack Forty Eight Thousand Five Hundred forty three Rupees only) with completion period of 16-06-2024 (03-Months) commencing from the dated issuance of this letter on following rates, terms and conditions subject to strict financial regularities and codal formalities.

Disposal Works at Islam Nagar (85Kw)								
G N	Item Description	M/s AE 3P SSC JV						
Sr.No		Quantity	Unit	Unit Price	Total Price			
1	PV Modules & Power Generation System	1						
1.1	Solar Modules	85,000	Wp	85	7,225,000			
1.2	Inverter (Grid-Tied) 85 KW	1	Sct	1,550,000	1,550,000			
1.3	PV-Genset Controller	1	Job	250,000	250,000			
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	400,000	400,000			
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	1	Job	450,000	450,000			
2	AC Termination & Accessories							
2.1	1.T Termination							
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	150,000	150,000			
2.1.2	Low Voltage Switchgear Cabinet	1	Set	150,000	150,000			
2.1.3	AC Combiner Breakers for MCCB	1	Set	150,000	150,000			
2.1.4	ΛC Combiner Breakers for ΛCB	1	Set	150,000	150,000			
3	Fabricated Items	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

3.1	Mounting Structure	148	Job	16,000	2,368,000
3,2	Cable Tray	1	Job	200,000	200,000
3,3	Distribution Boxes	1	Job	250,000	250,000
4	Cable & Accessories			, kee	and the second second
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	200,000	200,000
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	ı	Set	200,000	200,000
4.3	Installation Material (cable Ducts etc.)	1	Set	200,000	200,000
5	Earthing/ Grounding System / ATS Panels				
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	I	dol	150,000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	·	Job	150,000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	12	Set	15,000	180,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	150,000	150,000
5.5	Automatic Transfer Switch (ATS)3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	I	Job	100,000	100,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	450,000	450,000
6	Remote Monitoring & Data Acquisition System				
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring,	1	Job	50,000	50,000

	Data Logging		1		1
7	Services				
7. I	Project Design & Execution	1	Job	300,000	300,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	300,000	300,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	150,000	150,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	250,000	250,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	50,000	50,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	250,000	250,000
Amount	t of PV system complete in all respect Sub tot	al A			16,423,000
8	Fencing				
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	350	Per Rft	591.15	206,903
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	2800	Per Sft	487.30	1,364,440
		Sub T	otal (B)		1,571,343
		Tota	l (A+B)		17,994,343

	Disposal Works at Mo	del Tow	n (15)	Kw)		
Sr.No	Item Description	M/s AE 3P SSC JV				
		Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System					
1.1	Solar Modules	15,000	Wp	90	1,350,000	
1.2	Inverter (Grid-Tied) 15 KW	1	Set	350000	350,000	

,					
1.3	PV-Genset Controller	ι	Job	150000	150,000
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	40000	40,000
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	ı	Job	100000	100,000
2	AC Termination & Accessories				
2.1	LT Termination				
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	25000	25,000
2.1.2	Low Voltage Switchgear Cabinet	l	Set	25000	25,000
2.1.3	AC Combiner Breakers for MCCB	1	Set	20000	20,000
2.1.4	AC Combiner Breakers for ACB	1	Set	20000	20,000
3	Fabricated Items				
3.1	Mounting Structure	27	Job	16000	432,000
3.2	Cable Tray	1	Job	40000	40,000
3.3	Distribution Boxes	1	Job	40000	40,000
4	Cable & Accessories				
4.1	AC Cables for Inverter Interconnection xx	I	Set	15000	15,000
4.2	sqmm,4 core, Armored AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	15000	15,000
4.3	Installation Material (cable Ducts etc.)	1	Sct	15000	15,000
5	Earthing/ Grounding System / ATS Panels				
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance. the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000

26.46	Providing and fixing anti-climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (.22mmx15 min barbs) spaced (d. 33 mm c/c cladded over 2.5 min dia high tensile Core wire making coil feneing of specified diameter (d. 4" c/c fixed en 2" 3" high M 5 angle iron post 15("x1","x3.16" embedded in base of PCC (1.2.4) (4"x4"x9") (d. 4" apart i/c the cost of 2.5c bars 3.78" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge (ii) 1.8" diameter.	350	Per Rft	591 15	206,903
MRS Ref	Description	Quantity	Unit		
8	Fencing				
Α	mount of PV system complete in all respect S	ub total A		The state of the s	3,827,000
7,6	Net-Metering Process (Including Equipment, Lee, Approvals, Documentation, Inspection)	100	Job	150000	150,000
7.5	Load Flow Study (Required for Net-Metering)	1	Aoth	5-00000	50,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Roib	3-окохококо	300,000
7.3	Installation, testing and Commissioning of Solar System	1	Aob	4-(00)(00)	40,000
7.2	Erecting of Mechanical Mounting Structure	1	a dotte	BIQIOROIO	40,000
7.1	Project Design & Execution	1	both	3 (000)(010)	50,000
7	Inverter Manufacturer for real time monitoring. Data Logging Services	1	Audo)-GRORGEO	30,000
6	Remote Monitoring & Data Acquisition System Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the			4	F 20 - 40-202
5.6	Phase Failure Protection 3ph. Lailure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	4	Aceto	3 000000	100,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	1	Job	50000	50,000
5.4	Circunding I lat Iron, Circunding Network for the plant Area, Power distribution Room, HV power Distribution room	1	christ	50000	50,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	2	het	15000	340,0000

26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	2800	Per Sft	487.30	1,364,440
		Sub To	tal (B)		1,571,343
		Total	(A+B)		5,398,343

Sr.No	Item Description	M/s AE 3P SSC JV				
		Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System				1	
1.1	Solar Modules	50,000	Set	85	4,250,000	
1.2	Inverter (Grid-Tied) 50 KW	1	Set	1000000	1,000,000	
1.3	PV-Genset Controller	1	Job	350000	350,000	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	200000	200,000	
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	1	Job	200000	200,000	
2	AC Termination & Accessories					
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	125000	125,000	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	125000	125,000	
2.1.3	AC Combiner Breakers for MCCB	1	Set	125000	125,000	
2.1.4	AC Combiner Breakers for ACB	1	Sct	125000	125,000	
3	Fabricated Items					
3.1	Mounting Structure	87	Job	16000	1,392,000	
3.2	Cable Tray	l	Job	115000	115,000	
3.3	Distribution Boxes	l,	Job	115000	115,000	
4	Cable & Accessories			./4		
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	115000	115,000	
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	115000	115,000	
4.3	Installation Material (cable Ducts etc.)	1	Set	70000	70,000	

7					
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to carthing system and all needed accessories	10	Set	15000	150,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	I	Job	250000	250,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage. with all needed fittings and accessories to get job ready.	1	Job	250000	250,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	325000	325,000
6	Remote Monitoring & Data Acquisition System	n			
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	1	Job	50000	50,000
7	Services				
7.1	Project Design & Execution	1	Job	100000	100,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	150000	150,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	100000	100,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	700000	700,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	200000	200,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	400000	400,000

	Amount of PV system complete in all re	spect Sub t	otal A		11,397,000
8	Fencing		,		
MRS Ref	Description	Quantity	Unit		
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced (w 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter (@ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") (@ 4" apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	350	Per Rfi	591.15	206,903
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/e the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) creeted @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	2800	Per Sft	487.30	1,364,440
		Sub Tot	al (B)		1,571,343
		Total (A+B)		12,968,343

	Disposal Works at Kai	rmanwal	a (201	św) 		
Sr.No	Item Description	M/s AE 3P SSC JV				
		Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System					
1.1	Solar Modules	20,000	Wp	90	1,800,000	
1.2	Inverter (Grid-Tied) 20 KW	1	Set	450000	450,000	
1.3	PV-Genset Controller	1	Job	200000	200,000	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	100000	100,000	
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	1	Job	100000	100,000	
2	AC Termination & Accessories					
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	25000	25,000	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	25000	25,000	

2.1.3	AC Combiner Breakers for MCCB	1	Set	20000	20,000
2.1.4	AC Combiner Breakers for ACB	1	Set	20000	20.000
3	Fabricated Items	1			
3.1	Mounting Structure	35	Job	16000	560,000
3.2	Cable Tray	1	Job	40000	40,000
3.3	Distribution Boxes	1	Job	40000	40,000
4	Cable & Accessories	1		1	.0,555
4.1	AC Cables for Inverter Interconnection xx	1	Set	15000	15 000
4.2	sqmm,4 core, Armored AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	15000	15,000
4.3	Installation Material (cable Ducts etc.)	1	Set	15000	15,000
5	Earthing/ Grounding System / ATS Panels				
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance. the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	4	Set	15000	60,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	50000	50,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage. with all needed fittings and accessories to get job ready.	1	Job	25000	25,000

	(1:2;4) (4"x4"x9") (a) 4' apart 1/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of					
26/46	four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2	350	Per Rft	591.15	206,903	
Ref	Providing and fixing anti climb high security galvanized razor cut wire having double sharp					
MRS	Description	Quantity	Unit			
8	Fencing	oub total A			4,290,000	
A	Amount of PV system complete in all respect S	Sub total A				
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	125000	125,000	
7.5	Load Flow Study (Required for Net- Metering)	1	Job	25000	25,000	
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	80000	80,000	
7.3	Installation, testing and Commissioning of Solar System	l	Job	25000	25,000	
7.2	Erecting of Mechanical Mounting Structure	1	Job	25000	25,000	
7.1	Project Design & Execution	1	Job	25000	25,000	
7	Data Logging Services					
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring,	1	Job	25000	25,000	
6	Remote Monitoring & Data Acquisition System	n				
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices,	1	Job	100000	100,000	

Disposal Works at Fordwah (15Kw)

		M/s	M/s AE 3P SSC JV			
Sr.No	Item Description	Quantity	Unit	Unit Price	Total Price	
ı	PV Modules & Power Generation System					
1.1	Solar Modules	15,000	Wp	90	1,350,000	
1.2	Inverter (Grid-Tied) 15 KW	t	Set	350000	350,000	
1.3	PV-Genset Controller	I	Job	150000	150,000	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	l	Job	40000	40,000	
1.5	PV Combiner Boxes with DC Breakers / Fuses , SPD's etc. for string protections	1	Job	100000	100,000	
2	AC Termination & Accessories					
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	25000	25,000	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	25000	25,000	
2.1.3	AC Combiner Breakers for MCCB	ı	Set	20000	20,000	
2.1.4	AC Combiner Breakers for ACB	l	Set	20000	20,000	
3	Fabricated Items				-	
3.1	Mounting Structure	27	Job	16000	432,000	
3.2	Cable Tray	1	Job	40000	40,000	
3.3	Distribution Boxes	1	Job	40000	40,000	
4	Cable & Accessories					
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	15000	15,000	
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	15000	15,000	
4.3	Installation Material (cable Ducts etc.)	1	Set	15000	15,000	
5	Earthing/ Grounding System / ATS Panels					
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	I	Job	150000	150,000	

MRS Ref	Description	Quantity	Unit		
8	Fencing			TOTAL CONTRACTOR AND TOWNING AND INVESTOR (traffernija blevi komitet e efterhensja skripa stadena kredina je napove sport i
Amoun	t of PV system complete in all respect Sub to	tal A			3,671,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	ı	Job	110000	110,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	25000	25,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	I	Job	300000	300,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	25000	25,000
7.2	Erecting of Mechanical Mounting Structure	ı	Job	25000	25,000
7.1	Project Design & Execution	l	Job	25000	25,000
7	Services				-
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	I	Job	25000	25,000
6	Remote Monitoring & Data Acquisition System	1			-
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	I	Job	100000	100,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	I	Job	25000	25,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	I	Job	50000	50,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to carthing system and all needed accessories	2	Set	12000	24,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and eables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	dot	150000	150,000

MRS	Description	Quantity	Unit		
8	Fencing				
moun	t of PV system complete in all respect Sub tota	1 A			3,671,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	110000	110,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	25000	25,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	300000	300,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	25000	25,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	25000	25,000
7.1	Project Design & Execution	1	Job	25000	25,000
7	Services				-
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	l	Job	25000	25,000
6	Remote Monitoring & Data Acquisition System				-
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	l	Job	100000	100,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	l	Job	25000	25,000
5,4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	50000	50,000
5,3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	2	Set	12000	24,000
5.2	Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	l	Job	150000	150,00

	m 1	vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG
	m 1	vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge
2800 Per 487.	1/8" of 3	Providing and fixing hot dipped Galvanized Iro chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8 GI patti, GI. Clamps and screws, i/c the cost of nos 8 SWG GI tie wires penetrated through mesh at top middle and bottom, fixed on
350 Per 591	P x15 r il on 6" 350 ded ire. s as	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx1 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welde horizontally with angle iron posts, binding wire painting of posts, etc. complete in all respects a approved and directed by the Engineer incharge (ii) 18 " diameter

	Disposal Works at Madni Colony (65Kw)								
6 N	Item Description	M/s AE 3P SSC JV							
Sr.No		Quantity	Unit	Unit Price	Total Price				
1	PV Modules & Power Generation System								
1.1	Solar Modules	65,000	Set	85	5,525,000				
1.2	Inverter (Grid-Tied) 65 KW	1	Set	1250000	1,250,000				
1.3	PV-Genset Controller	1	Job	400000	400,000				
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	250000	250,000				
1.5	PV Combiner Boxes with DC Breakers / Fuses . SPD's etc. for string protections	1	Job	250000	250.000				
2	AC Termination & Accessories								
2.1	LT Termination								
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	150000	150,000				
2.1.2	Low Voltage Switchgear Cabinet	1	Set	150000	150,000				
2.1.3	AC Combiner Breakers for MCCB	1	Set	150000	150,000				
2.1.4	AC Combiner Breakers for ACB	1	Set	150000	150,000				
3	Fabricated Items								
3.1	Mounting Structure	114	Job	16000	1,824,000				
3.2	Cable Tray	1	Job	150000	150,000				

4.1 / s	Cable & Accessories AC Cables for Inverter Interconnection xx sqmm,4 core, Armored AC Cable for Combined Output xx sqmm,4 Core, Armored Installation Material (cable Ducts etc.) Earthing/ Grounding System / ATS Panels Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral Complete independent earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus		Set Set Set Set	150000 150000	150,000 150,000 150,000
4.2	sqmm,4 core, Armored AC Cable for Combined Output xx sqmm,4 Core, Armored Installation Material (cable Duets etc.) Earthing/ Grounding System / ATS Panels Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus		Set Set	150000 150000	150,000 100,000
4.2 / 6 / 6 / 6 / 6 / 6 / 6 / 6 / 6 / 6 /	AC Cable for Combined Output xx sqmm,4 Core, Armored Installation Material (cable Duets etc.) Earthing/ Grounding System / ATS Panels Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus		Set Set	150000	150,000
5	Earthing/ Grounding System / ATS Panels Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus		dot	150000	150,000
5.1 ji s s s ii ji ji f (Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus	ı			
5.1 ji iii ji iii iii iii iii iii i	independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus	1			
5.2 (Control of the state of th	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus	I	Job	150000	150,000
5.3 (s	bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.				
(Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	10	Set	15000	150,000
), i	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	300000	300,000
5.5 w n u	Automatic Transfer Switch (ATS) B phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and necessories to get job ready.	1	Job	325000	325,000
5.6 P 31 vo	Phase Failure Protection ph. Failure, loss of phase, under voltage, over soltage and phase sequence relay (LRST), djustable type with four poles contactor *100A and all needed protection devices, ontrol devices and accessories	1	Job	325000	325,000
6 R	Remote Monitoring & Data Acquisition System				
s M	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the averter Manufacturer for real time monitoring,	1	Job	50000	50,000

7.1	Project Design & Execution	1	Job	250000	250,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	300000	300,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	250000	250,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	800000	800,00
7.5	Load Flow Study (Required for Net- Metering)	1	Job	290000	290,00
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	600000	600,00
	Amount of PV system complete in all re	spect Sub t	otal A		14,739,00
8	Fencing				
MRS Ref	Description	Quantity	Unit		
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	350	Per Rft	591.15	206,903
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge	2800	Per Sft	487.30	1,364,440
ub Tota	(i) 8 SWG al (B)		I_		1,571,343
otal (A					16,310,343

De	tailed Cost Estimate of Dispo	osal Works at I	Madi	na Town (75Kw)	
Sr.No	Item Description	M/s AI		AE 3P SSC JV		
31.110	nem Bescription	Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System	em				
1.1	Solar Modules	75,000	Wp	85	6,375,000	
1.2	Inverter (Grid-Tied) 75 KW	1	Set	1300000	1,300,000	





1.3	PV-Genset Controller	ı	Job	450000	450,000
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	300000	300,000
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	J	Job	300000	300,000
2	AC Termination & Accessories				
2.1	LT Termination				
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	150000	150,000
2.1.2	Low Voltage Switchgear Cabinet	I	Set	150000	150,000
2.1.3	AC Combiner Breakers for MCCB	1	Set	150000	150,000
2.1.4	ΛC Combiner Breakers for ΛCB	J	Set	150000	150,000
3	Fabricated Items				
3.1	Mounting Structure	131	Job	16000	2,096,000
3.2	Cable Tray	1	Job	200000	200,000
3.3	Distribution Boxes	ı	Job	200000	200,000
4	Cable & Accessories		,		
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	150000	150,000
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	150000	150,000
4.3	Installation Material (cable Ducts etc.)	1	Set	100000	100,000
5	Earthing/ Grounding System / ATS Panels		1		
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	l	Job	150000	150,000

7					
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	10	Sct	15000	150,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	300000	300,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	1	Job	325000	325,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	325000	325,000
6	Remote Monitoring & Data Acquisition				-
6.1	System Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	1	Job	50000	50,000
7	Services				
7.1	Project Design & Execution	1	Job	350000	350,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	350000	350,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	250000	250,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	1000000	1,000,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	3500000	3,500,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	800000	800,000
	Amount of PV system complete in all r	espect Sub t	otal A		19,921,000
8	Fencing				
MRS	Description	Quantity	Unit		
Ref	Providing and fixing anti climb high security				
26/46	galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	350	Per Rft	591.15	206,903





26/47	Providing and fixing hot dipped Galvanized tron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" Gl patti, Gl. Clamps and screws, i/c the cost of 3 nos 8 SWG Gl tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter Gl pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	2800	Per Sft	487.30	1,364,440	
Sub Tot	cal (B)				1,571,343	
Total (A	Total (A+B)					

	Water Works at Model T	own Sada	qia (9	95Kw)		
Sr.No	Item Description	M/s AE 3P SSC JV				
	rem Description	Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System					
1.1	Solar Modules	95,000	Wp	85	8,075,000	
1.2	Inverter (Grid-Tied) 95 KW	1	Set	1550000	1,550,000	
1.3	PV-Genset Controller	l	Job	750000	750,000	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	400000	400,000	
1.5	PV Combiner Boxes with DC Breakers / Fuses , SPD's etc. for string protections	1	Job	350000	350,000	
2	AC Termination & Accessories			1700		
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	150000	150,000	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	150000	150,000	
2.1.3	AC Combiner Breakers for MCCB	1	Set	150000	150,000	
2.1.4	AC Combiner Breakers for ACB	1	Set	150000	150,000	
3	Fabricated Items					
3.1	Mounting Structure	166	Job	16000	2,656,000	
3.2	Cable Tray	1	Job	200000	200,000	
3.3	Distribution Boxes	1	Job	250000	250,000	
4	Cable & Accessories			*		
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1 1	Set	200000	200,000	
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	200000	200,000	
4.3	Installation Material (cable Ducts etc.)	1	Set	200000	200,000	
5	Earthing/ Grounding System / ATS Panels				-	

5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth			150000	150,000
3.1	joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	130000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	12	Set	15000	180,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	350000	350,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage. with all needed fittings and accessories to get job ready.	I	Job	450000	450,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	450000	450,000
6	Remote Monitoring & Data Acquisition System				
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	1	Job	50000	50,000
7	Services				
7.1	Project Design & Execution	1	Job	400000	400,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	400000	400,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	400000	400,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	1200000	1,200,000
7.5	Load Flow Study (Required for Net- Metering)	- 1	Job	3500000	3,500,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	1000000	1,000,000

	Amount of PV system complete in all r	espect Sub	total A		24,111,000
8	Fencing				
MRS Ref	Description	Quantity	Unit		
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil feneing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	460	Per Rft	591.15	271,929
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/e the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge	3680	Per Sft	487.30	1,793,264
	(i) 8 SWG				2,065,193
	Sub Total (B) Total (A+B)				26,176,193

	Water Works at Model	Town O	ld (35F	(w)		
		M/s AE 3P SSC JV				
Sr.No	Item Description	Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System					
1.1	Solar Modules	35,000	Wp	85	2,975,000	
1.2	Inverter (Grid-Tied) 35 KW	1	Set	750000	750,000	
1.3	PV-Genset Controller	1	Job	450000	450,000	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	100000	100,000	
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	1	Job	300000	300,000	
2	AC Termination & Accessories					
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	50000	50,000	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	50000	50,000	
2.1.3	AC Combiner Breakers for MCCB	l	Set	50000	50,000	
2.1.4	AC Combiner Breakers for ACB	1	Set	50000	50,000	
3	Fabricated Items			į.		





3.1	Mounting Structure	61	Job	16000	976,000
3.2	Cable Tray	1	Job	50000	50,000
3.3	Distribution Boxes	1	Job	50000	50,000
4	Cable & Accessories	L			No.
4.1	AC Cables for Inverter Interconnection xx	1	Set	50000	50,000
	sqmm,4 core, Armored AC Cable for Combined Output xx sqmm,4		-		50,000
.2	Core, Armored	1	Sct	50000	
.3	Installation Material (cable Ducts etc.)	1	Set	50000	50,000
5	Earthing/ Grounding System / ATS Panels				
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.2	Earthing System For Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance. the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	1	Set	12000	12,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	50000	50,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage. with all needed fittings and accessories to get job ready.	1	Job	200000	200,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	150000	150,000
6	Remote Monitoring & Data Acquisition System				
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the	1	Job	50000	50,000





	Inverter Manufacturer for real time monitoring, Data Logging		-		
7	Services	L		1	
7.1	Project Design & Execution	1	Job	150000	150,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	150000	150,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	150000	150,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	600000	600,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	290000	290,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	300000	300,000
	Amount of PV system complete in all 1	respect Sub	total A		8,403,000
8	Fencing				
MRS Ref	Description	Quantity	Unit		
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	400	Per Rft	591.15	236,460
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	3200	Per Sft	487.30	1,559,360
Sub Tot	4.3.				1,795,820

Water Works at Qureish Colony (25Kw)								
Sr.No	Item Description	M/s AE 3P SSC JV						
		Quantity	Unit	Unit Price	Total Price			
1	PV Modules & Power Generation System			9	F			
1.1	Solar Modules	25,000	Wp	85	2,125,000			
1.2	Inverter (Grid-Tied) 25 KW	. 1	Set	500000	500,000			
1.3	PV-Genset Controller	1	Job	350000	350,000			

1,4	Cable for Interconnection (DC)(UV Protected XLPR)	1	Job	50000	50,000
	PV Combiner Boxes with DC Breakers / Fuses , SPD's etc. for string protections]	dol	200000	200,000
2	AC Termination & Accessories				
2.1	LT Terminution				
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	25000	25,000
2.1.2	Low Voltage Switchgear Cabinet	1	Set	25000	25,000
2,1.3	AC Combiner Brenkers for MCCB	1	Set	20000	20,000
2,1,4	AC Combiner Breakers for ACB	1	Set	20000	20,000
3	Fabricated Items				
3.1	Mounting Structure	44	Job	16000	704,000
3.2	Cable Tray	1	Job	50000	50,000
3.3	Distribution Boxes	1	Job	50000	50,000
4	Cable & Accessories			•	
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	50000	50,000
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	50000	50,000
4.3	Installation Material (cable Ducts etc.)	1	Set	50000	50,000
5	Earthing/ Grounding System / ATS Panels				
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, duets, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	. 1	Job	150000	150,000
5.2	Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral Complete independent earthing system for Inverter / WAPDA / Generator Set Neutral must be separated of the main earthing system to obtain 2-ohm max resistance, the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	l	Job	150000	150,000
5.3	Surge protection device of appropriate short circuit capacity to secure the overall AC system (data and power) against lightnings and surges strikes, including connecting the device to earthing system and all needed accessories	2	Set	12000	24,000

i fi					
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	50000	50,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage, with all needed fittings and accessories to get job ready.	1	Job	200000	200,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	100000	100,000
6	Remote Monitoring & Data Acquisition System	n			
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	1	Job	50000	50,000
7	Services				
7.1	Project Design & Execution	1	Job	100000	100,000
7.2	Erecting of Mechanical Mounting Structure	1	Job	50000	50,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	100000	100,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	600000	600,000
7.5	Load Flow Study (Required for Net- Metering)	1	Job	200000	200,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	200000	200,000
A	Amount of PV system complete in all respect	Sub total A			6,243,000
8	Fencing				
MRS Ref	Description	Quantity	Unit		
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	400	Per Rft	591.15	236,460
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	3200	Per Sft	487.30	1,559,360

	7
Sub Total (B)	
and the second of the second o	1,795,820
Total (A+B)	
	8,038,820

	Water Works at Boys De	gree Coll	ege (3	85Kw)	index till till medlemmer i kommer egtersking til	
Sr.No	Item Description	M/s AE 3P SSC JV				
	rem Description	Quantity	Unit	Unit Price	Total Price	
1	PV Modules & Power Generation System	4				
1.1	Solar Modules	35,000	Wp	85	2,975,00	
1.2	Inverter (Grid-Tied) 35 KW	1	Set	750000	750,00	
1.3	PV-Genset Controller	1	Job	450000	450,00	
1.4	Cable for Interconnection (DC)(UV Protected XLPE)	1	Job	100000	100,001	
1.5	PV Combiner Boxes with DC Breakers / Fuses, SPD's etc. for string protections	1	Job	300000	300,00	
2	AC Termination & Accessories		1			
2.1	LT Termination					
2.1.1	Secondary Comprehensive Protection Cabinet	1	Set	50000	50,00	
2.1.2	Low Voltage Switchgear Cabinet	1	Set	50000	50,00	
2.1.3	AC Combiner Breakers for MCCB	1	Set	50000	50,00	
2.1.4	AC Combiner Breakers for ACB	1	Set	50000	50,00	
3	Fabricated Items					
3.1	Mounting Structure	61	Job	16000	976,00	
3.2	Cable Tray	1	Job	50000	50,00	
3.3	Distribution Boxes	1	Job	50000	50,00	
4	Cable & Accessories					
4.1	AC Cables for Inverter Interconnection xx sqmm,4 core, Armored	1	Set	50000	50,00	
4.2	AC Cable for Combined Output xx sqmm,4 Core, Armored	1	Set	50000	50,00	
4.3	Installation Material (cable Ducts etc.)	1	Set	50000	50,00	
5	Earthing/ Grounding System / ATS Panels					
5.1	Earthing for PV Solar System complete independent earthing system for PV solar system, must be separated of the main earthing system to obtain 2-ohm max resistance the item includes (2 copper electrodes 15mm2 driven into ground, manholes with iron cover, earth joints, clamps, ducts, conduits and 25 mm2 flexible earthing copper wires and cables (Yellow/Green) from the PV system components to the electrode to complete the system as specifications and supervisor engineer instructions and approval.	1	Job	150000	150,00	

5.	manholes with iron cover, earth joints, clamps, ducts, conduits and 50 mm2 flexible earthing copper wires and cables from the Neutral bus	l, l	Job	150000	150,000
5.3	bar in the Main Distribution box to the electrode to complete the system as specifications and supervisor engineer instructions and approval. Surge protection device of appropriate short circuit capacity to secure the overall AC system		Set	12000	12,000
5.4	Grounding Flat Iron, Grounding Network for the plant Area, Power distribution Room, HV power Distribution room	1	Job	50000	50,000
5.5	Automatic Transfer Switch (ATS) 3 phase system. The ATS consist of two 4 poles contactors of appropriate capacity complete with (Mechanical & electrical Interlock) all needed ACU control fittings such timers, relays, undervoltage. with all needed fittings and accessories to get job ready.	1	Job	200000	200,000
5.6	Phase Failure Protection 3ph. Failure, loss of phase, under voltage, over voltage and phase sequence relay (LRST), adjustable type with four poles contactor 4*100A and all needed protection devices, control devices and accessories	1	Job	150000	150,000
6	Remote Monitoring & Data Acquisition System	n			
6.1	Contractor Shall Provide the access of Remote Monitoring Mobile App and Server from the Inverter Manufacturer for real time monitoring, Data Logging	1	Job	50000	50,000
7	Services				
7.1	Project Design & Execution	1	Job	150000	150,000
7.2	Erecting of Mechanical Mounting Structure	Ī	Job	150000	150,000
7.3	Installation, testing and Commissioning of Solar System	1	Job	150000	150,000
7.4	Operations and Maintenance "O&M" Services (1 Year)	1	Job	600000	600,000
7.5	Load Flow Study (Required for Net- Metering)	. 1	Job	290000	290,000
7.6	Net-Metering Process (Including Equipment, Fee, Approvals, Documentation, Inspection)	1	Job	250000	250,000
Amount	of PV system complete in all respect Sub tota	l A	,		8,353,000

8	Fencing	age - Law Yorks - spellighting and fit I broad you		and the second state of the second	nt ministrar musicus, enumeridantes publicarios.
MRS Ref	Description	Quantity	Unit	, anua guner vi (degerne for vienekti elige) a	
26/46	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16" embedded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts, binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (ii) 18 " diameter	430	Per Rft	591.15	254,19
26/47	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2"mesh made of wire of specified gauge, with the help of 1"x1/8" GI patti, GI. Clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (medium quality) erected @ 8 ft C/C duly embedded in PCC(1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge (i) 8 SWG	3440	Per Sft	487.30	1,676,312
Sub Tot					1,930,507
Total (A	\+B)				10,283,507

Environmental and Social Mitigation Plan					
Sr.No	Item Description	M/s AE 3P SSC JV			
51.140		Quantity	Unit	Unit Price	Total Price
A	PPEs for Health and Safety of Labor/Workers				
1.1	Face Masks (3 PLY) - box	8	No	300	2,400
1.2	Safety Hard Helmets	8	No	2,500	20,000
1.3	Harness belts	8	No	2,500	20,000
1.4	Safety Shoes (Steel Shoes +Long Shoes)	8	No	2,500	20,000
1.5	Hand Gloves	8	No	800	6,400
1.6	Ear Plugs	8	No	300	2,400
1.7	Reflective Safety Vest	8	No	700	5,600
1.8	Safety Goggles	8	No	300	2,400
1.9	Safety Signage	2	No	5,000	10,000
			Total		89,200

Sr.No	Description	M/s AE 3P SSC JV
1	Disposal Works at Islam Nagar	17,994,343
2	Disposal Works at Model Town	5,398,343

3	Disposal Works at Hussainabad	12,968,343
4	Disposal Works at Karmanwala	5,861,343
5	Disposal Works at Fordwah	
6	Disposal Works at Madni Colony	5,242,343
7	Disposal Works at Madina Town	16,310,343
8	Water Works at Model Town Sadaqia	21,492,343
		26,176,193
9	Water Works at Model Town Old	10,198,820
10	Water Works at Qureish Colony	8,038,820
11	Water Works at Boys Degree College	10,283,507
12	Environmental and Social Mitigation Plan	89,200
	Total	140,053,937
	Discount	10%
	Discount Amount	14,005,393.70
	Grand Total	126,048,543
	Add 5% PRA	6302427
	Grand Total	132350970

TERMS AND CONDITIONS:

1. The contractor has to submit copy of memorandum / partnership deed attested by a competent authority and Power of Attorney in Original in favor of the authorized partner if any, to sign the agreement, receive the payment on your behalf and carry out instructions of the Engineer in-Charge.

The contract has to submit Performance Security 10% of contract amount on prescribed form PS-1 in shape of Bank Guarantee from any scheduled Bank in favor of Chief Officer, MC, Bahawalnagar

- 2. The work shall be carried out strictly according to the provision made in the technically sanctioned estimate.
 - 3. No claim for increase or decrease in scope of work shall be entertained.
- 4. No claim / payment of increased in the rate of material or above in the market due to any reason will be claimed/entertained.
- 5. The Municipal Committee, Bahawalnagar will not accept any responsibility for loss accrued due to interruption of work as result shortage or delay in supply of material and or other imput required for completion of work.
- 6. You will have to complete the work within time limit otherwise the penalty shall be imposed as recommended by Engineer incharge. This will however not affect the other conditions of your tender agreement.
- 7. No premium on Non schedule items is allowed and decision of the competent authority in this respect will be final and binding upon you.
- 8. If any amount remains outstanding against this work or of the other contract the same will be recovered from you through civil suit as arrears of land revenue.

- 9. The rates approved are for this specific project only. There are not to be applied on other work anywhere else.
- 10. No deviation of quantities of items to be executed by the contractor shall be made without prior approval of the competent authority.
- 11. It will be exclusive responsibility of the contractor to complete the work according to specifications.
- 12. If any recovery pointed out by audit or other agency, the contractor will be bound to refund the recovery or will be made through Revenue Department.
- 13. As you accept the above cost of bid according to quoted rates, terms and conditions, you should contact the concerned Sub-Engineer for getting demarcation for the commencement of work immediately.
- 14. You shall execute the agreement in the office of undersigned and, shall be signed by you within a week positively, failing which no payment for the work done will be made.
- 15. Payment will be made after clearance of the consultants as per policy in vogue and no secured advance / Advance payment will be made as per clause approved bid document.
- 16. The contractor is liable to submit a detailed statement showing the deployment of your supervisory staff as per condition of this contract along with CVs of the Project in-Charge of your firm.
- 17. The contractor is liable to keep the entire site of work clean and tidy during the execution of work to ensure intended finishing. The debris shall be removed on daily basis from the site as per instructions of the Engineer incharge.
- 18. You are liable to abide by all terms and condition contained in Bid/ Contract from, work rules and also / instructions issued time by time as per Local Govt. Department Govt. of the Punjab.

Municipal Officer (1& Municipal Committe Bahawalnagar

No & Date even,

A copy is forwarded for information to

- 1. The Administrator / ADC(R), Bahawalnagar.
- 2. The Project Director, PCP, PMDFC, Lahore.
- 3. The Chief Officer, Municipal Committee, Bahawalnagar.
- 4. The Municipal Officer (Finance), Municipal Committee, Bahawalnagar.
- 5. The Resident Deputy Director Audit, Municipal Committee, Banawalnagar.
- 6. The Sub Engineer, Municipal Committee, Bahawalnagar.

Municipal Officer (I&S) Municipal Committe

Bahawalnaga