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WELCOME MESSAGE



Dear Valued Clients and Partners,

We express our heartfelt appreciation for selecting Power and Solar Group Limited as your trusted ally. As a company, our unwavering commitment lies in your prosperity. Our dedicated team consistently delivers exceptional services, harnessing cutting-edge technologies. We prioritize strict adherence to budgetary and timeline requirements, while upholding the highest industry standards and regulations.

At Power and Solar Group Limited, we take great pride in providing comprehensive support and guidance to optimize the utilization of our irrigation schemes and dams. Our primary goal is to enhance the well-being of farmers and communities in the region, promoting sustainable development and responsible environmental practices.

We enthusiastically look forward to collaborating with you and forging a brighter, more sustainable future together.







ABOUT COMPANY

Power and Solar Group Limited is a company based in Kenya that is proudly owned and managed by women.

We are a leading provider of sustainable solutions, specializing in the construction of irrigation systems, dams and water pans and sewerage systems, among other general infrastructure development.

Founded in 2011 as a family business, the firm has since grown to include a team of experienced engineers and employees. The company prides itself on its commitment to quality work and prudent management, meeting critical schedules and deadlines while adhering to strict budgets.

Power and Solar Group Limited remains up-to-date with the latest industry standards and regulations, regularly appraising our range of equipment, machinery, and personnel to ensure we deliver top-notch services that conform to both local and international standards.

The company is dedicated to the success of its clients, including farmers who are the beneficiaries of our water dam and irrigation projects.



OUR VISION AND MISSION

VISION

Our vision at Power and Solar Group Limited is to be become a leading provider of sustainable infrastructure solutions, driving positive change towards a greener and more prosperous future.

We are committed to driving positive change by delivering reliable, efficient, and eco-friendly solutions that enhance the quality of life for people around the world.

MISSION

Our mission is to design and construct quality infrastructure projects that improve the well-being of communities globally.

By embracing sustainable practices and leveraging our expertise, we aim to exceed client expectations and deliver solutions that positively impact lives and the environment.

We are committed to fostering strong partnerships with clients, stakeholders, and local communities, working collaboratively to build resilient and inclusive societies. Through our dedication to excellence, we contribute to the global transition towards a sustainable future, while creating employment opportunities that empower individuals and promote economic growth.

OUR VALUES













OUR **SERVICES**



CONSTRUCTION AND CONSULTANCY SERVICES

We provide a comprehensive range of construction and consultancy services tailored to meet the unique needs of our clients. With a focus on sustainability and client satisfaction, we deliver reliable and innovative solutions across various sectors.

Our expertise spans a wide array of services, including water and sanitation works, irrigation schemes, water dams and pans among other infrastructure development works.

With a proven track record, we have successfully completed numerous projects for a diverse clientele, including the national government, non-governmental organizations and individuals.

PROJECT MANAGEMENT AND ASSESSMENTS

We offer specialized expertise in project management and assessments. Our services include project management, environmental impact assessments, and technical assessments for existing projects.

With our project management services, we ensure efficient execution by overseeing all project aspects, including planning, budgeting, scheduling, and resource allocation. Adhering to strict timelines and budgets, we deliver successful projects that meet client requirements.

Environmental impact assessments are integral to our approach. We conduct thorough evaluations to identify and mitigate potential risks, promoting sustainable practices and minimizing environmental impact. We prioritize green energy solutions whenever possible.

We focus on achieving desired outcomes and maximizing project success.

POWER & SOLAR GROUP LIMITED

OUR IRRIGATION PROJECTS

NYANJIGI IRRIGATION SCHEME DEVELOPMENT PROJECT

The Nyanjigi Irrigation Project was done in Kangema Constituency in Murang'a County, and was financed by the Government of Kenya through the National Irrigation Authority.

The project aimed to provide water for micro-irrigation, domestic use and livestock to approximately 1,000 people within the sub-catchment, specifically in Nyakahura and Githunguri.

The contract was awarded to Power and Solar Group Ltd for a total contract sum of KES 261,901,65.

The project's main source of water supply was the River Mathioya and it was implemented in three phases:

- Phase 1 involved the construction of intake works (weir)
- Phase 2 was the laying of conveyance of 12km of 315mm diameter uPVC pipes.
- Phase 3 was the implementation of sub-mains, laterals, and feeder lines of 54 kilometers varying from different sizes of pipes 20mm-250mm diameter.



Pipeline excavation by machine



Laying off pipes in progress



Fixing of the 11.5 degrees bend



Excavation by casual labourers



Fixing of GI pipes on a rocky pipeline area



Commissioning of the project in Kangema Constituency

KILIMANI GAME GALANA IRRIGATION SCHEME

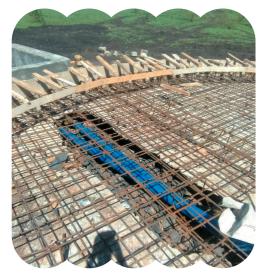


The Kilimani Game Galana Irrigation Scheme is a project was completed in Central Division, Burat and Kilimani locations, in Isiolo County.

The Africa Development Bank through Drought Resilience Sustainable and Livelihood Project (DRSLP) funded the project in collaboration with the Government of Kenya and County government to benefit approximately 1,000 people within the sub-catchment. The contract sum of the project was KES. 169,893,020.00.

The scheme covers an area of about 200 acres and benefits a total of 600 farmers. The scope of work entailed:

- 1. Head works construction (connecting water to the irrigation scheme from intake)
- 2. Conveyance pipeline
- 3. Main line pipeline, sub main lines and distributaries
- 4. Infield system
- 5. Construction of storage tanks.
- 6. Construction of scheme office and toilets



Double reinforcement of water reservoir floor



Installation of in let pipe on the farm tank



Plastering with master seal adhesive



On farm storage tank



Reinstatement of the ground after construction



Manhole under construction



Pipe Installation



Prep for GI accessories



Conveyance line of Gl 250mm



On farm hydant on the beneficiary farm



A farmer in the scheme irrigating his farm



Crops under irrigation

POWER & SOLAR GROUP LIMITED

OUR

DAMS/WATER-PANS PROJECTS

CONSTRUCTION OF YONGELA PAN IN KITUI COUNTY

We successfully executed the construction of the Yongela Pan in Mwingi, Kitui County. This vital project, financed by the Ministry of Water, Sanitation, and Irrigation, aimed to address the persistent water shortage in the region.

The limited availability of water had been a significant constraint, negatively impacting crop production and livestock rearing, and leading to food insecurity.

The construction of the earth dam provided a sustainable solution to the water scarcity issue faced in the area. The dam has a reservoir capacity of 18,000m3 when at full capacity.

During the dam's design, careful consideration was given to essential factors such as topography, upstream catchment flow, impermeable geological foundation, and suitable catchment area. These factors were crucial in ensuring a well-functioning dam with an appropriate and sufficient reservoir.

The constructed dam, which effectively impounds floodwater during the rainy seasons, has proven to be an invaluable asset to the community, benefiting 550 farmers and creating employment for 110 individuals through its construction works.







Water Pan

POWER & SOLAR GROUP LIMITED

CONSTRUCTION OF BAMBA PAN IN KILIFI AND MATILI PAN IN BUNGOMA COUNTY

We take immense pride in the successful completion of the construction of small dams/pans in Bungoma and Kilifi county under National Water Harvesting and Ground Water Exploitation Program.

The constructed dams have provided benefits to a total of 1100 farmers and 230 employees through the employment opportunities created during their construction works.

The scope of work for both projects included:

- 1. Bush Clearing and Stub Removal
- 2. Earth Works
- 3. Drawoff Structures
- 4. Construction of Auxiliary Structures

By addressing water scarcity challenges, these projects have significantly improved water access for both households and agriculture, fostering socio-economic development and resilience within the region.









OUR



WATER AND SANITATION PROJECTS

CONSTRUCTION OF RIVER KIBAGARE TRUNK SEWER

We take immense pride in our successful completion of the construction of River Kibagare project awarded by the Athi Water Works Development Agency for a contract sum of Kenyan Shillings 73,791,476.

The project involved the following key components:

- 1. Site Investigation: Trial Pits and Trenches
- 2. Demolition and Site Clearance
- 3. Pipework Pipes (Concrete pipe) laying
- 4. Pipework Manholes and pipe work ancillaries
- 5. Pipe work Support and Protection, Ancillaries to laying and Excavation



Laying of concrete pipe



Manhole casting





Haunching of concrete pipes

NAIROBI CITY REGENERATION PROGRAMME III - NAIROBI COUNTY

We successfully carried out the construction of Outering and Thika Road Sewers project in the Nairobi Metropolitan area. The project aimed to enhance access to reliable sanitation facilities, improve water quality, and restore the riparian ecosystem within the city.

The project received funding from the Government of Kenya and was implemented by the Ministry of Water, Sanitation, and Irrigation through the Athi Water Works Development Agency (AWWDA).

The scope of works included:

- The construction of 3km of DN225 to DN450 sewer lines, providing relief to existing sewer lines and introducing additional sewer lines in the Northern Region of Nairobi.
- Installation of precast manholes and backdrops with a nominal bore of 1200mm.
- Sewer and manhole unblocking, de-silting, and cleaning activities were conducted to optimize system performance.
- Construction of 1000 sewer household connections and sewer road crossing works.







CONSTRUCTION WORKS FOR KIGANJO SEWER LATERALS PROJECT



We implemented the Construction of Kiganjo Sewer Laterals project in Kiganjo, Thika Constituency.

Thika Water and Sewerage Company (THIWASCO) awarded us the tender for a contract sum of 11,922,088.50

The project aimed to enhance sewer conveyance, improve water quality, and construct the entire pipe network.

The scope of the project included various activities such as setting out lines and pegging, stripping and laying aside soil, excavation of 350 meters of line, **laying 225mm HDPE pipes** and backfilling, construction of precast manholes, and joining the entire pipe network.

Our expertise and commitment ensured the timely completion of this vital sewer infrastructure project, contributing to improved sanitation and development in the Kiganjo area.



Pipe laying for road crossing



Base casting underway



Depth measurements



Manhole casting reinforcement

CONSTRUCTION WORKS FOR KANG'OKI TRUNK SEWER REHABILITATION PROJECT

POWER & SOLAR GROUP LIMITED

Power and Solar Group Ltd was contracted by Thika Water and Sewerage Company (THIWASCO) to carry out the Kangoki Sewer Rehabilitation project located at Kangoki Dump Site, Thika Constituency. The tender amount for the project was 4,918,620. The project aimed to enhance sewer conveyance, improve water quality, and restore the riparian ecosystem in the area.

The existing sewer line, implemented in the early 1980s, had deteriorated over time, leading to issues such as sewage overflow, flooding, and seepage into groundwater. To address these challenges, the project involved upgrading the 600mm diameter PCC pipes to 600mm diameter DWC pipes, which are more flexible, durable, and have less friction loss. Additionally, reinforced concrete manholes were constructed, and existing sewer lines and manholes were desilted and unblocked.

The successful completion of this project by Power and Solar Group Ltd has contributed to improved sanitation, reduced environmental impact, and enhanced water quality in the Kangoki area.





IMPROVEMENT OF WATER SUPPLY FOR MURERU DISPENSARY

Project Name	Improvement of Water Supply for Mureru Dispensary	
Client	Tana Water Works Development Agency	
Contract Sum	KES 10,937,253.80	
Scope of work:	Pipe work. Installation of 12m high steel tower and 1NO 24m³ capacity steel water tank.	

IMPROVEMENT OF WATER SUPPLY FOR ISLAND FARM DISPENSARY

Project Name	Improvement of Water Supply for Island Farm Dispensary	
Client	Tana Water Works Development Agency	
Contract Sum	KES 6,523,374	
Scope of work	Pipe work and fitting (Upvc pipes with rubber rings) Roof rain water harvesting Construction of 100m3 ground masonry tank	



6m steel tower



24m3 prestressed steel tank



Valve chambers



GET TO KNOW US MORE

Our Strengths

Power and Solar Group Limited is backed by a strong set of strengths.

- **Sustainable Focus:** We prioritize sustainability, integrating environmental friendly solutions.
- **Innovation and Adaptability:** We embrace innovation, staying at the forefront of industry trends and technological advancements to deliver forward-thinking and future-proof projects. This is seen by embracing the use of HDP pipes in our projects.
- **Strong Partnerships:** Our established relationships with clients, partners, and stakeholders enable access to diverse perspectives, resources, and knowledge for successful project outcomes.
- **Proven Track Record:** We have been instrumental in the provision of water works infrastructural projects and sewerage systems since 2011 and we have overseen completion of 12 projects.

The Certificates of Project Completion are appended on the following page demonstrating our expertise and successful project outcomes.

ANNEX: CERTIFICATES OF PROJECT COMPLETION

Kang'oki Trunk Sewer Rehabilitation



Thika Water and Sewerage Company Ltd P.O. Box 6103-01000 **THIKA**

E-mail: info@thikawater.co.ke



Power & Solar Group Ltd P.O. BOX 22835-00505 Nairobi.

Email:powerandsolar@gmail.com

	TAKING-OVER CERTIFICATE		
Contract Title	Completion of Works for Kang'oki Trunk Sewer Rehabilitation		
Contract Number	THIWASCO/RFQ/117/2021-2022		
Contract Start Date	24 th of May, 2022		
Accepted Contract Price	KES 4,918,620.00		
Contractor's Name and Address	Power & Solar Group Ltd		
*	P.O. Box 22835-00505, Nairobi		
	Email: powerandsolar@gmail.com		
Employer's Name and Address	THIKA WATER AND SEWERAGE COMPANY LTD		
	P.O BOX 6103-01000, THIKA		
	E-mail: info@thikawater.co.ke		
The Employer takes over the	e Kang'oki Trunk Sewer on 31st January, 2023.		
Notes:			
	e noted during Inspection carried out on 31st January, 2023.		
2. Interim payment certificate			
 As at 31st February 2023 I 	nterim payment certificate No.:02:riot paid. POWER & SOLAR GROUP LIMITED		
	THIRD BOX 28.13-00505		
Date of Issue: 31st January 2023.	RROJECT MANAGER ASSET DEVELOPMENT MANAGER THIKA WATER AND SEWERAGE COMPANY Director Power & Solar Group Ltd		

Kiganjo Sewer Laterals



THIKA WATER AND SEWERAGE COMPANY LTD P.O. Box 6103-01000 THIKA

E-mail: info@thikawater.co.ke



Power & Solar Group Ltd P.O. BOX 22835-00505 Nairobi.

Email:powerandsolar@gmail.com

	PERFORMANCE CERTIFICATE		
Contract Title	Construction Of Kiganjo Sewer Laterals		
Contract Number	THIWASCO/CNTRCT/013/2021-2022		
Contract Start Date	1st November, 2021		
Contract Duration	6 months		
Defects Liability Period	6 months		
Accepted Contract Price	KES 10,000,000.00		
Final Contract Price	KES 8,173,826.52		
Contractor's Name and Address	Power & Solar Group Ltd		
	P.O. Box 22835-00505, Nairobi		
	Email: powerandsolar@gmail.com		
Employer's Name and Address	THIKA WATER AND SEWERAGE COMPANY LTD		
	P.O BOX 6103-01000, THIKA		
	E-mail: info@thikawater.co.ke		
	THIKA WATER AND SEWERAGE COLUMN TO THE PARTY OF THE PARTY		
Date of Issue: 19.12.2022.	PROJECT MANAGER thikawater.co.ke ASSET DEVELOPMENT MANAGER THIKA WATER AND SEWERAGE COMPANY		

Kilimani Game Galana Irrigation Scheme

REPUBLIC OF KENYA



MINISTRY OF AGRICULTURE, LIVESTOCK, FISHERIES AND COOPERATIVES STATE DEPARTMENT FOR CROP DEVELOPMET AND AGRICULTURAL RESEARCH DROUGHT RESILIENCE AND SUSTAINABLE LIVELIHOODS PROGRAMME (DRSLP)

CERTIFICATE OF PRACTICAL COMPLETION

PROJECT TITLE: CONSTRUCTION OF KILIMANI GAME GALANA IRRIGATION SCHEME IN

ISIOLO COUNTY

CONTRACT DETAILS

CONTRACT NO:

MOALF/DRSLP/T016/2016-2017

DATE SIGNED:

31st May 2017

EMPLOYER:

MINISTRY OF AGRICULTURE, LIVESTOCK, FISHERIES AND COOPERATIVES

P.O BOX 30028-00100 NAIROBI

CONTRACTOR:

POWER AND SOLAR GROUP LTD, P.O.BOX 56553-00200, NAIROBI

DETAILS OF WORKS

SCOPE OF WORKS:

- 1. Head works construction (connecting water to the irrigation scheme from intake)
- 2. Conveyance pipeline
- 3. Main line pipeline, sub main lines and distributaries
- 4. Infield system
- Construction of storage tanks.
- 6. Construction of scheme office and toilets

CERTIFICATION:
This is to certify that the contract works are completed at 10 to the defects habiton period is four (3) months with effect from 1st September 2021.
Certificate prepared by Geoffry M. Maicre Jan 1 SEP 2021
(Resident Engineer/Supervisor)
Certified by: Date:
(Project Manager/Engineer)
POWER SOLARYGROUP LIMITED 1 SEP 2021
Accepted by: MSONG NAIROBI Date: 01/09/2021
(Contractor)

Copies to: PROJECT COORDINATOR DRSLP

Nairobi City Regeneration Programme.





REPUBLIC OF KENYA

A	THI WATER WORKS DEVELOPMENT AGENCY	
CERTIFICATE OF SUBSTANTIAL COMPLETION		
CONTRACT TITLE:	NAIROBI CITY REGENERATION PROGRAMME III - (NCRP3): - LOT 3 - CONSTRUCTION OF OUTERING AND THIKA ROAD SEWERS	
CONTRACT NO:	AWWDA/GOK/NCRF3/W-01/2019 LOT 3	
CONTRACT COMMENCEMENT DATE:	17 TH APRIL, 2020	
CONTRACT PRICE:	VALUE OF ORIGINAL CONTRACT: 149,533,431.96 (INCLUSIVE OF 16% V	
CONTRACTOR'S NAME AND ADDRESS:	POWER AND SOLAR GROUP LTD. P.O BOX 33421-00600, NAIROBI, KENYA.	
EMPLOYER'S NAME AND ADDRESS:	THE CHIEF EXECUTIVE OFFICER, ATHI WATER WORKS DEVELOPMENT AGENCY ATHI WATER PLAZA, MUTHAIGA NORTH ROAD, OFF KIAMBU ROAD, P.O. BOX 45283-00100 NAIROBI TEL: +254(0)20 2304226; 2304227	
THE PROJECT MANAGER:	CHIEF MANAGER, WATER & SANITATION P.O. BOX 45283-00100 NAIROBI TEL: +254(0)20 2304226; 2304227	

COMPLETED WORKS (SUBSTANTIALLY)

IN ACCORDANCE WITH THE PROVISION OF CLAUSE 60 OF THE GENERAL CONDITIONS OF CONTRACT, THIS IS TO CERTIFY THAT THE WORKS UNDER THIS CONTRACT, AWWDA/GOK/NCRP3/W-01/2019 LOT 3, HAVE BEEN INSPECTED AND FOUND TO BE SUBSTANTIALLY COMPLETED ON 27TH JULY 2022.

OUTSTANDING WORKS

THERE WERE NO OUTSTANDING WORKS

DATE OF COMPLETION (SUBSTANTIALLY): 1ST AUGUST, 2022

EXPIRY OF DEFECTS LIABILITY PERIOD: 1ST AUGUST, 2023

- 1. FINAL PAYMENT CERTIFICATE TO BE PROCESSED IMMEDIATELY AFTER JOINT MEASUREMENTS ARE AGREED UPON
- ONE HALF OF THE RETENTION MONEY PURSUANT TO SUB-CLAUSE 51.2 OF THE CONDITIONS OF CONTRACT SHALL BE PAID TO THE CONTRACTOR SUBJECT TO NOTE 1
- THE OTHER HALF OF THE RETENTION MONEY PURSUANT TO SUB-CLAUSE 51.2 OF THE CONDITIONS OF CONTRACT SHALL BE PAYABLE AFTER EXPIRY OF THE DEFECTS LIABILITY AND CANCELLATION OF THE PERFORMANCE BOND

DATE OF ISSUE:	1 ST AUGUST 2022	ATHI WATER WORKS DEVELOPMENT AGENCY
SIGNED	ENG. JOSEPH KAMAU CHIEF MANAGER – WATER & SA PROJECT MANAGER	Muthaiga North Road, Off Kinmbu Fined

Kamusinga Irrigation Scheme



MINISTRY OF WATER AND IRRIGATION SUBSTANTIAL COMPLETION CERTIFICATE

CONSTRUCTION OF KAMUSINGA IRRIGATION SCHEME
MWI/010/2015-2016
POWER & SOLAR GROUP LIMITED
KSHS. 73,971,178
3 rd June, 2016
30 th November, 2016
30th November, 2016

B.PROJECT COMPONENTS

- i. Preliminaries
- ii. Intake works
- iii. Sedimentation basin
- iv. Main line
- v. Branch lines
- vi. Laterals
- vii. Other hydraulic structures
- viii. Infield Systems

C.COMPLETION STATUS

In accordance with the contract agreement, the works were inspected and certified as successfully completed. During Defects liability period (E below) you are expected to :-

- Adjustment of the sieve at the intake chamber to prevent dirt from entering in the intake chamber and eventually in the system.
- Ensure proper anchorage of the GI pipe at the first drop.
- Ensure all the pipe joints currently exposed for testing purpose, are properly covered after testing.

KSHS. 73,971,178.00

- Ensure all chambers are complete as per the contract
- Construct of the RE/IWUA office once the site has been identified.

D. PAYMENT STATUS

Contract Value

F.CERTIFICATION

Value Of Works Done	KSHS. 70,326,576.00	
Payment Made To Date (cert. 1&2)	KSHS. 70,326,576.00	
E.DEFECTS LIABILITY PERIOD		
START DATE:17 th February 2017	END DATE: 17th August 2017	



Nyanjigi Irrigation Scheme



COMPLETION CERTIFICATE

A. CONTRACT DATA

Name of Project

Contract No.

Name of Contractor

Name of Consultant/Engineer

Total Value of Contract

Variation

Revised Contract value

Starting Date

Original Completion Date

Extended Completion date

NYANJIGI IRRIGATION PROJECT

NIB/T/012/2012-2013

POWER AND SOLAR GROUP

ELIUD GICHERU

84,460,675.32

NONE

84,460,675.32

14TH JANUARY 2013

14TH JUNE 2013

N/A

B. PROJECT COMPONENTS

- (i) Intake works
- (ii) River and Gulley crossings
- (iii) Conveyance pipeline

C. COMPLETION STATUS

In accordance with the contract agreement, the works were inspected and certified as successfully completed subject to the following snag list:

(i) N/A

OF the Onighal

HELEN WARRIED KERARI - 10 COLITE

1 0 101 2005 - CEE NOOTHE

Yongela Pan, Kitui County.

REPUBLIC OF KENYA



MINISTRY OF WATER AND IRRIGATION STATE DEPARTMENT OF IRRIGATION

NATIONAL WATER HARVESTING AND GROUND WATER EXPLOITATION PROGRAMME

		PROGRAMME	
A	COM	IPLETION CERTIFICA	ГЕ
Contract Title:		CONSTRUCTION OF YONGELA PAN IN KITUI SOUTH CONSTITUENCY, KITUI COUNTY	
Contract Number:		MWI/SDI/OT/003/2016-2017 (Kitui South)	
Contract Price:		Kshs 12,141,663.16	
Value of works completed		Kshs 12,120,977.40	
Contract start Date:		21 st February 2017	
Completion Date:		30 th May 2017	
Contractor's name and Address:		M/S POWER SOLAR GROUP LTD. P.O BOX 33421-00600 NAIROBI	
Employer's Name and Address:		MINISTRY OF WATER & IRRIGATION P.O BOX 49720 - 00100 NAIROBI	
In accordance With claworks specified under complete on 16 th June Contractor.	the control 2017. T	of the conditions of contract, the ract have been inspected and conherefore, 50% of retention months on 30 th November 2017 - 1	is is to certify that the onfirmed substantially ney is payable to the
Date issued: Signatur 17 th July 2017 Eng Ric		re chard Kanui	Signature



GET IN TOUCH



- +254 723 1013395/ 763 201 395
- powerandsolar@gmail.com
- Commodore Office Suites, 4th Floor Off Kindaruma Road, Kilimani P.O. Box 22835- 00505 Nairobi, Kenya