

POWER OUTAGE PROTECTOR

A Technical Report

18EC490 - PROJECT MANAGEMENT
PROJECT PROPOSAL

SUBMITTED BY

KASTHURI R (19D122)
SHANMUHAM S (19D133)
NAGANATHAN M (19D126)
NIVEDITHA M (19D128)
SAHEEL AQTHAR S (19D131)
MEIYAPPAN A (19D125)
AATHISHWARAN D (19D113)

SUMMARY :

The main aim of our product is to provide the outage hindrance during indubitable weather conditions ,the problem of which is an absolute need of the hour and to provide convenience to the people which creates problems like blows out.

Long turn damage which causes a lot of inconvenience and hence leads to power outage. And not just that our product allows users to do much more with lots of unique features which are equipped in our product.

It is also equipped with many more features like the wind sensors which will help the transformer to get it off during factual conditions and used to avoid shortages in potency.

It also comes with a rain sensor allowing the transformer. So, with all these objectives and features we are going to help to fight the ongoing power outages by saving a large amount of competence but also in each and every households as our product is very easy to use and also not too costly.

INITIAL CONSULTATION :

- Periodical meet with team and with client.
- Be inclusive by using online collaboration tool.
- Be transparent , clear and concise to the client and team members.
- Ensure balance within the team.
- It is important that the scope of work required by any client must be conducted fully understood to allow the desired outcomes to be achieved.
- Ensure visibility and transparency.
- Ensure effective communication within the team.

SOLUTION :

- There is lot of power loss and electrical damages during unconditional weather, So we created a solution for this losses and damages during that unpredictable weathers.
- We making a power outage protector that will helps from the unpredictable weathers.
- It will work with the help of two sensors one is measuring the speed and another one is measuring the rain level.
- When the level is reach higher than the constant level it automatically turn off the transformers and the SMS notification will send to the particular power station.

IMPLEMENTATION :

- POWER STATION AND SUBSTATIONS
- HIGH VOLT INDUSTRIAL TRANSFORMERS
- HIGH TENSILE INDUTRIAL AREAS
- ELECTRICITY GENERATING AREAS



DELIVERABLES :

CURRENT PRACTICING METHOD:

Switching off the all substation transformer when unpredictable weather occurs or sometimes transformer get burst out and it causes long term power outage and also causes damage to the appliances or equipment.

PROJECT SCOPE:

- Immediate alert to EB office after shut down.
- Protect the Electrical components in home.
- Creating Job for Technical persons.
- Reduces Electrical accidents.

DURATION :

PHASE	DESCRIPTION OF WORK EXPECTED	DURATION
PHASE-1	Inspecting the filed	1 WEEK
PHASE-2	Installation of complete setup	1.6MONTH (After Inspecting)
PHASE-3	Execution	1WEEK

COST :

PHASE	DESCRIPTION OF WORK EXPECTED	COST (Approx.)
PHASE-1	Inspecting the filed	10000 INR
PHASE-2	Installation of complete setup	65000 INR
PHASE-3	Execution	10000 INR

Budgets can be managed in some small ways. Every time we visit the field for further inspection, we can avoid travelling individually by our own transports instead we can car pool with fellow workers and hence reduce fuel costs to a great extent. When we are in field works we can avoid restaurant foods and carry our foods packed in our handbags .

When it comes to technical equipment we can always go with a cheap and best product. It's not that always costly products are the one endures more. But most of the expenses stem up from the refreshments that are essential to provide while group discussions and brain storming.

TERMS & CONDITIONS :

1.ACCEPTANCE/AGREEMENT:

By submitting a payment for or ordering any product, Client accepts the terms of this Agreement. Any waiver or additional or different terms or conditions proposed by either party shall be ineffective unless accepted in writing by both parties.

2.PRICE, PAYMENT SCHEDULE, & PAYMENT TERMS:

2.1 Price:

Client agrees to pay for the Deliverable(s) and Service(s) the price stated in the Project Proposal, or if none is stated, Artaic's standard prices in effect at the time of delivery (the "Project Price").

2.2 Payment:

Artaic agrees to submit an Invoice, showing the portion of the Project Price due against the Project, upon the completion of each Milestone. Artaic agrees to invoice at the prices set forth on the face of the Project Proposal. Invoices, shipping notices, bills of lading and receipts shall be mailed promptly after shipment or completion of Milestone. All Invoices are payable within thirty (30) days of receipt.

2.3 Project Completion & Final Payment:

Unless otherwise stated in the Project Proposal, finished Final Deliverables ready to ship from Artaic will be considered the final Milestone of the Project. At this time, the payment terms in 2.2 apply.

3.CHANGES:

Client shall have the right at any time to make changes in drawings, designs specifications, manufacture, materials, packaging, time and place of delivery and method of transportation up to the date specified in the Project Proposal. If any such change causes an increase or decrease in the cost of, or the time required for the

performance of any part of the work under this contract, whether changed or not changed by any such order, Artaic reserves the right to make an equitable adjustment in the price, delivery schedule, or Deliverables, or all or any combination of the three, and this adjustment will be defined in a supplemental Change Order Form that, once signed by both parties, will alter this Agreement accordingly. Failure to agree to any adjustment shall be a dispute within the meaning of the Dispute clause of this contract.

4.CONFIDENTIALITY:

Each party acknowledges that in connection with this Agreement it may receive certain confidential or proprietary technical, business, financial and commercial information and materials of the other party, including without limitation Preliminary Works and the terms (financial and other) of this Agreement (“Confidential Information”). Notwithstanding the foregoing, Confidential Information shall not include any information that is in the public domain or becomes publicly known through no fault of the receiving party, or is otherwise properly received from a third party without an obligation of confidentiality.

5.RELATIONSHIP OF PARTIES:

5.1 Independent Contractor:

Artaic is an independent contractor, not an employee of Client or any company affiliated with Client. Artaic shall provide the Deliverables and Services under the general direction of Client, but Artaic shall determine, in Artaic’s sole discretion, the manner and means by which the Services are accomplished.

5.2 No Exclusivity:

The parties expressly acknowledge that this Agreement does not create an exclusive relationship between the parties.

6. CLIENT RESPONSIBILITIES:

- Coordination.
- Preparation
- Documentation/Permitting/Licensing
- Indemnification
- Implementation
- Client Insurance.

7. MODIFICATION/INTEGRATION:

Both parties must agree to any change, addition or modification to this Agreement in writing. Furthermore, this Agreement comprises the entire understanding of the parties hereto on the subject matter herein contained, and supersedes and merges all prior and contemporaneous agreements, understandings and discussions between the parties relating to the subject matter of this Agreement.

8.TERMINATION:

8.1 Termination for Convenience of Client:

Client reserves the right to terminate this order or part hereof for its sole convenience. In the event of such termination, Artaic shall promptly stop all work hereunder, and shall promptly cause any of its suppliers or subcontractors to cease such work. Artaic shall be paid a termination charge consisting of ten percent (10%) of the Project Price, plus actual direct costs incurred prior to or resulting from such termination.

8.2 Termination for Cause:

Either party may terminate this order or any part hereof or cause in the event of any default by the other party, or if such other party breaches any of its material responsibilities or obligations under this Agreement, which breach is not remedied within ten (10) days from receipt of written notice of such breach. In the event of termination for cause by either party, non-breaching party shall not be liable to breaching party for any amount, and breaching party shall be liable to non-breaching party for any and all damages sustained by reason of the default that gave rise to the termination.

PROJECT PROPOSAL

PROJECT NAME	POWER OUTAGE PROTECTOR		
JOB LOCATION	TAMIL NADU,INDIA		
EST. START DATE	26/05/2021	EST. FINISH DATE	09/07/2021
PROJECT LEADER	KASTHURI.R	COMPANY	SYNERGY
CONTACT NAME	S. SAHEEL AQTHAR	ADDRESS	PLOT NO : 2494, HOUSING BOARD, VILLAPURAM, MADURAI - 625011
PHONE	+91 9042824281		
EMAIL	saheel@student.tce.edu		

SUMMARY	POWER OUTAGE PROTECTOR reduce power outage hindrance during indubitable weather. To minimize those chances we have come up with an idea. It will be easy to use and also helpful in Electricity boards. We can make use is it in substation transformer, Local transformer etc.
DESIRED OUTCOME	It is important that the scope of work required by any client, must be conducted fully understood, to allow the desired outcomes to be achieved.
ACTION TO COMPLETION	MAXIMUM 50% OF IMPLEMENTATION WORK IS DONE WITHIN 1.6 MONTHS
BENEFITS OF PROJECT	Our product is to increase the life of the transformer and to reduce the power outage during unconditional weathers and also to avoid human death and transformer bursting out.
PROJECTED SCHEDULE	1.6 MONTHS + 2 WEEKS
PROJECTED BUDGET	EST.AMOUNT : 85000 INR
PROJECTED TEAM AND RESOURCE REQUIREMENTS	TEAM OF 7 MEMBERS + SKILLED WORKERS (TEMPORARY HIRED) + CAPITAL FUND + MATERIAL RESOURCES (WIND SENSOR, RAIN SENSOR, PCB FABRICATION, MEASURING SENSORS, COMMUNICATION TOOL, HARD COVER)

--	--

ACCEPTANCE OF PROPOSAL			
AUTHORIZED CLIENT SIGNATURE		DATE OF ACCEPTANCE	