

AIRPORTS AUTHORITY OF INDIA KADAPA AIRPORT
DEPARTMENT OF ELECTRICAL ENGINEERING

AAI/KDP/ENGG[E]/2020-21/

11.01.2021

Sub: - E-Bid Technical Evaluation Committee – Reg

Name of Work: Provision of Solar Powered Obstruction Lights at various Hills for all weather operation at Kadapa Airport.

With reference to the above subject work, an e-tender has been floated in CPP portal vide Tender ID 2020_AAI_64220_1.

The following officials are the Committee Members of Technical evaluation of above e-bid:

- a) Shri. Joshua Kindo, Asst. Gen Manager [Engg-E]
- b) Smt. Subbu Lakshmi, Asst. Gen Manager (CNS)

Upon opening of Envelope –II, the bid status is mentioned as below

Out of 03 agencies, 02 agency not submitted documents as per ENIT and 01 agency submitted documents as per ENIT.

Hence 01 agencies recommended opening financial bid.

The Date of opening of e- Bid Envelope II is scheduled on **12.01.2021 @ 1130 Hrs.**

JUSTIFIED COST

Name of work: Provision of Solar Powered Obstruction Lights at various Hills at Kadapa Airport.

Sl.No	Description	Qty	Unit	Rate	Amount
				Without GST	Without GST
SH1	Electrical Works				
1	SITC of medium Intensity Aviation obstruction warning light conforming to ICAO operating at 12 V DC. The light source shall be LED type RED color and as per Technical specifications.	4	Set	83514.06	334056.23
2	SITC of control panel consisting of solar charge controller - Solid state and flasher unit including providing inter connections with lantern assembly specifications. The enclosure shall have compartment for housing the battery bank.	4	Set	53212.50	212849.99
3	SITC of sealed maintenance free battery bank for 5 days autonomy with 12V, 240AH (C-10) VRLA type.	4	Set	33903.02	135612.09
4	SITC of solar modules of capacity 12V, 80W peak including necessary mounting arrangement as per specifications. One set consist of 2 panels.	4	Set	12669.64	50678.57
5	Design, Fabrication, supply and erection at site of Lattice Tower of 5 M height, made of GI structural members, cross members etc. Including making cement concrete foundation with 1:2:4 cement concrete (1 cement 2 coarse and 4 stone aggregate of 20 mm nominal size) suitable for wind velocity specified, for installation of medium intensity aviation warning light solar modules etc conforming to specifications.	4	Job	114554.68	458218.72
6	SITC of anti climbing device made of GI barbed wire fixed to GI angles with a minimum projection of 300mm, Anti climbing device shall be mounted at 3 mtr on the lattice tower.	4	Set	6528.38	26113.54
7	Supply of following spares suitable for the above solar powered Aviation obstruction Lighting system operation on 12V DC supply etc., as per the enclosed specifications				
	(a) Solar charge controller - solid state	4	Each	5372.87	21491.47
	(b) Flasher unit	4	Each	11496.53	45986.11
8	Shifting material from AAI stores to various hills including transportation. (Total 04 Hills)	1	Job	836280.00	836280.00
	Sub-Total (SH 1)				2121286.71
SH2	Civil Works				
9	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (a) All Kinds of soil	5	cum	221.21	1106.05
	EXCAVATION				

10	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. (a) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	900	kg	82.86	74574.00
	50x50x6mm thick Y-Angle				
11	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	5	cum	7270.02	36350.10
12	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. 1) Made of G.I. wire of dia 4 mm	350	sqm	760.94	266329.00
13	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	50	sqm	154.34	7717.00
	Sub-Total (SH 2)				386076.15
	ADD COST INDEX FOR KADAPA AIRPORT @7.90				30500.02
	Total (SH1 + Sh2)				2537862.87
	Contingency @3%				76135.89
	Say (Without GST)				2614000.00