



The Chairman,
Airports Economic Regulatory Authority of India,
AERA Building,
Administrative Complex,
Safdarjung Airport
New Delhi-110003

Sub:- Stakeholders consultation at Chennai Airport-Chennai MYTP reg.

Sir,

Reference is invited to AERA Consultation Paper No. 45/2017-18 dated 19th February, 2018 and Stakeholders' Consultation held on 9th March, 2018 at Chennai.

2. AERA is requested to consider the under mentioned submission of AAI as brought out by AAI in the stakeholder's consultation at Chennai:-

(A) Non-utilization of Terminal-4 Arrival Area

It is confirmed that the unutilized portion of T-4 (Arrival) is 20%. It is proposed to put to use the unutilized portion of T-4 by converting T-4 Arrival into International Departure with suitable modification so as to decongest the departure level during the peak hours. The modification work is likely to be completed by September 2018.

(B) Operational Expenditure (Repairs and Maintenance Expenditure)

AERA is requested to consider the operating expenditure which has not been considered in CP.

The details of Award letter of AOCC expenses and other are enclosed.

C) Capital Projects in 2nd Control Period

AERA is requested to consider the capital projects which has not been included in the CP for which the details are enclosed.

(D) CAGR of Past 10 Years (2007-08 TO 2017-18) without RCS

AERA in the Consultation paper has considered 10 years CAGR from 2005-06 to 2015-16 in calculating future projection of ATM and Passenger. AERA has also considered actual growth in ATM and PAX for F.Y. 16-17 and 17-18 upto December 2017 for future projection.

AAI has proposed to revise projection for Domestic and International PAX & ATM for the F.Y. 2018-19 to 2020-21 as per CAGR of past 10 years from F.Y 2007-08 to F.Y 2017-18 (excluding RCS Flights & Passenger).

(E) Adjustment of Revenue from Non-Aero Revenue

As per AAI's calculation Rs 44.72 Crores is towards revenue for the land /lease rent in case of Cargo, Ground Handling and Fuel services in the F.Y. 2016-17 as against Rs 50 Crores considered in CP.

(F) Submission in respect to Normative Approach

AERA has considered capital cost of Terminal building Phase-I, Apron and Taxiways on normative basis.

The major capital works of AAI are being incurred after clearance from PIB and CCEA. The Tendering is done on the open competitive transparent mechanism & participative manner, therefore the cost of project so arrived at is the lowest possible market cost.

In view of the above, AERA is requested to consider the projected cost of AAI & the same will be tried up as per actuals. By considering normative cost for projects in the tariff proposal AAI will be subjected to additional burden during construction for the differential amount.

(G) Revised Aeronautical Charges based on our submission

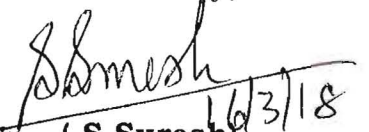
Due to above reasons the ARR of the 2nd Control period will require upward adjustment by Rs.260 Crores. The detailed workings are given in the enclosures. The revised proposal of Aeronautical charges are as under:-

- i) Landing, Parking & Housing is to be reduced by 89%.
- ii) Throughput Charges is to be reduced by 89%.
- iii) UDF (Intl.) is to be reduced by 85% (Proposed by AAI Rs.74).
- iv) UDF (Domestic) is to be reduced by 40 % (Proposed by AAI Rs.74).

Considering the cash deficit & to meet the operational expenditure of Chennai Airport for the F.Y.18-19 to F.Y.20-21, AERA is requested to consider an additional grant of Rs.300 Crores in form of UDF for both Domestic & International Passenger.

Thanking you,

Yours faithfully,


(S.Suresh) 16/3/18

Member Finance

Encl:- a.a.

Non utilization of Terminal -4 (Arrival Area)-50%

(Amount in Cr.)

Particulars	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Total
As per AERA-50% of the T-4 is not considered										
Capitalized in the F.Y. 2012-13-50% not considered	107.20	102.87	149.64	143.16	136.68	130.20	123.72	117.24	110.76	
Capitalized in the F.Y. 2013-14-50% not considered		53.25								
Depreciation	4.33	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	56.17
Closing balance	102.87	149.64	143.16	136.68	130.20	123.72	117.24	110.76	104.28	
Average RAB	105.03	152.88	146.40	139.92	133.44	126.96	120.48	114.00	107.52	
Return on RAB @ 14%	14.70	21.40	20.50	19.59	18.68	17.77	16.87	15.96	15.05	160.53
loss due to return on RAB and Depreciation for non-utilization	19.04	27.88	26.98	26.07	25.16	24.25	23.35	22.44	21.53	216.70

(1st Oct 2018)

Non utilization of Terminal -4 (Arrival Area)-20%

(Amount in Cr.)

Particulars	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Total
As per AAI-20% of the T-4 is not considered										
Capitalized in the F.Y. 2012-13-20% not considered	42.88	41.15	59.86	57.26	54.67	52.08	49.49			
Capitalized in the F.Y. 2013-14-20% not considered		21.30								
Depreciation	1.73	2.59	2.59	2.59	2.59	2.59	1.30			15.99
Closing balance	41.15	59.86	57.26	54.67	52.08	49.49	48.19			
Average RAB	42.01	61.15	58.56	55.97	53.38	50.78	48.84			
Return on RAB @ 14%	5.88	8.56	8.20	7.84	7.47	7.11	3.42			48.48
loss due to return on RAB and Depreciation for non-utilization	7.61	11.15	10.79	10.43	10.06	9.70	4.71			64.47

Net Gain to AAI , if AERA agrees to 20% for non utilization of T-4 from F.Y. 2012-13 to Sept 2018 and 100% utilization from Oct 2018.

152.23

Statement of Repair & Maintenance Expenditure

Annexure-B

S.No.	Particulars	Amount (in Cr.)
	F.Y.2014-15	
1	Manpower for Handling inline baggage by M/s.Air India in R&M Civil.	8.20
	F.Y.2015-16	
1	Towards R&M of Inline Baggage system for New Domestic Terminal.	0.90
	Total	9.10

Additional Capital Projects

CHENNAI AIRPORT - AIRPORT SERVICES

Annexure-E

Project Details		AS per AAI			Amt in Cr.
		Tariff Year 3 (2018-19)	Tariff Year 4 (2019-20)	Tariff Year 5 (2020-21)	Remarks
	Particulars				
R/W/Taxiway	Straightening / Strengthening of 'B' Taxi from 'C' Taxi to Rwy 30 (Rs.97.60-33.10)		64.50		AA&ES issued
R/W/Taxiway	Construction of 'R' Taxitrack upto Runway 07/25		59.00		AA&ES issued
Building-Residential	Densification and construction of New Residential Qtrs.700Nos.			173.00	Scope of work approved
Tools & Equipments	Ground based solar plant			50.00	AA&ES issued
Other Building-Civil & Elect. Work	Cons. Of additional multi storied CISF barracks Accommodation			16.56	Preliminary estimate
Other Building-Civil Work	Cons. Of pre Engineered steel structure shed of E&M work shop			4.35	AA&ES issued
Other Building-Elect work	Cons. Of pre Engineered steel structure shed of E&M work shop			0.97	AA&ES issued
Other Building-Electronics	Cons. Of pre Engineered steel structure shed of E&M work shop			0.02	AA&ES issued
Other Building-IT	Cons. Of pre Engineered steel structure shed of E&M work shop			0.07	AA&ES issued
	Total	0.00	123.50	244.97	

Calculation of ARR for the 2nd Control period

[Rs. in Crores]

Particulars	(2016-17)	(2017-18)	(2018-19)	(2019-20)	(2020-21)	Total
ARR as per AERA	850.50	773.50	683.40	692.20	779.00	3778.60
Less:- Excess recovery from 1st Control Period	-954.00					
	-103.50	773.50	683.40	692.20	779.00	2824.60
ARR as per AAI	857.10	787.69	701.53	731.38	848.55	3926.26
Less:- Excess recovery from 1st Control Period	-841.25					
	15.85	787.69	701.53	731.38	848.55	3085.01
Upward adjustment in ARR for 2nd control period						260.41

Detail Calculation on AOCC Annexure-C

Project go live in June 2014	AMT. in Cr.
	(without S.Tax)
Total Contract cost without service tax	120.22
20% payment in June 2014 for hardware & software for the 1st 8 items of bill of material	20.82 (F.Y. 14-15)
Balance 80% to be paid in 7 years from 2nd Qtr of F.Y. 14-15 to 1st Qtr of 21-22	99.40
yearly expenses on AOCC	14.20

								AMT. in Cr.	
Particulars	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	Total
1st time 20% payment of hardware & soft ware	20.82								20.82
yearly expenses on AOCC	10.65	14.20	14.20	14.20	14.20	14.20	14.20	3.55	99.40
Total-A	31.47	14.20	14.20	14.20	14.20	14.20	14.20	3.55	120.22

Project go live in April 2018	AMT. in Cr.
	(without GST)
2nd contract for Chennai	1.08
20% payment in April 2018 for hardware & software	0.22
Balance 80% to be paid in 3 years from F.Y. 18-19 to 20-21	0.87
yearly expenses on AOCC	0.29

								AMT. in Cr.	
Particulars	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	Total
1st time 20% payment of hardware & soft ware					0.22				0.22
yearly expenses on AOCC					0.29	0.29	0.29		0.87
Total-B	0.00	0.00	0.00	0.00	0.51	0.29	0.29	0.00	1.08

Grand total (A+B)	31.47	14.20	14.20	14.20	14.71	14.49	14.49	3.55	121.31
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F.Y 18-19

Annexure D

AIRPORTS AUTHORITY OF INDIA
Department of Engineering

new scheme not included in the Budget

Name of work	:	Construction of Pre Engineered steel structure shed for E&M work shop at Chennai Airport, Chennai (Phase-I)
Head	:	
Major Head	:	Capital work
Minor Head	:	AS / A-2
Detailed Head	:	<u>Non-Budgeted scheme</u>

This preliminary estimate has been framed by Shri. S.Anbumurugan, AGM (E-C), CMD-IV, AAI, Chennai Airport, Chennai for Civil works for a probable cost of **Rs.4,34,89,894/-** including 1% TNCWWF and 3% contingencies plus applicable GST for accord of necessary A/A & E/S by the Competent Authority.

Report

History

It is proposed to construct a new E&M workshop at Chennai Airport due to operational requirement and functional convenience. As per the latest master plan circulated part of existing E&M workshop is falling in the basic strip of secondary Rwy 12-30. Also new ceremonial lounge is going to be constructed at a location in between existing E&M workshop of Metro and Non-Metro divisions. This may block passage to metro E&M workshop during VVIP movement. As per the preliminary architectural drawings are received from CHQ Planning Directorate th is preliminary estimate has been framed and forwarded for accord of A/A & E/S by Competent Authority.

As there is no budget provision in RE 2017-18 necessary fund will be available by way of Re-appropriation of funds.

Design & Scope

Provision has been made in this estimate for the following.

1. PEB sheds of size 32.50 m x 30.365m
2. PEB shed will have eves height of 9.15m
3. Pre-painted aluminium corrugated sheets of 0.71mm thick for roofing
4. RCC with isolated footings for foundations with M-25 grade concrete.
5. Cement concrete flooring with M25 grade cement concrete of thickness 300 mm over 150 mm thick M-10 grade cement concrete considered.
6. Aluminium sheet rain water gutters with suitable MS pipe of 300 mm dia
7. Steel members are to be painted with zinc chromate primer and enamel paint.

<u>Specification</u>	:	CPWD specifications 2009 Vol -I & II with upto date Correction slips
<u>Rates</u>	:	Based on PAR 2012 DSR 2016 duly enhanced by Cost Index to bring the rates at par with the current market rates and Market Rates for non scheduled items.
<u>Cost</u>	:	Rs.4,34,89,894/-
<u>Method</u>	:	By contract after call of tenders.
<u>T & P</u>	:	To be arranged by the contractor
<u>Time</u>	:	10 (Ten) months (01 month for monsoon period)
<u>Land</u>	:	Available

4/12/17

Asst. General Manager (E-C)
CMD-IV, Chennai Airport

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**AIRPORTS AUTHORITY OF INDIA
CHENNAI AIRPORT.**

ABSTRACT OF COST - PRELIMINARY ESTIMATE

Name of work: Construction of Pre engineered steel structure shed for E & M work shop at Chennai Airport. (Phase-I)

Sl.No	Description of work	Total amount in Rs.	Remarks
I	Building work		
	i) Civil works	43489894.00 ✓	Amount includes Cost index, labour welfare fund, GST and contingencies = 245958 (CL) = 681314 (IT)
	ii) Eletrical works	9670834.00 ✓	
	iii) Electronics works	(132314.00 + 113644)	
	iv) IT Department	(132314.00 + 549001)	
	Total in Rs.	53425356.00	5,40,88,000/-

say Rs. **53425356.00**
 5,35,39,000/- + Rs. 54,08,800/-
 54,08,800/-
 5,40,88,000/-
 04/12/17

(S. Anbumurugan) (S. Raja Reddy)
 Asst.Genl.Mgr Engg(C) Dy.Genl.Mgr Engg(C)

(A. Dhanushkodi) (W. Francis Xavier)
 Asst.Genl.Mgr Engg(E) Dy.Genl.Mgr Engg(E)

(R. Sundar)
 Manager(AS)

(S. Manoj Kumar)
 Sr. Manager (AS)

(K. Ravi Kumar)
 Jt. Genl.Mgr (AS)

(V. Prabhakaran)
 Manager - (IT)

(R. Suresh)
 Asst.Genl.Mgr (IT)

(Mohammed Tajuddin)
 Genl.Manager Engg(C)

(S.G. Panicker)
 Genl.Manager Engg(E)



**AIRPORT AUTHORITY OF INDIA
CHENNAI AIRPORT
ENGINEERING WING [A/A & E/S Sanction Memo]**

Sanction No. **AAM/ENGG/901/A/6/2018/ 847-855**

Dated: 26/02/2018

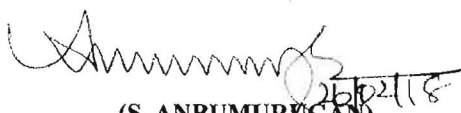
SUBJECT: Construction of New E & M workshop at Chennai Airport, Chennai

1. The Administrative Approval and Expenditure Sanction of the **Airport Director**, AAI is hereby conveyed for an amount of **Rs.5,40,88,000/- (Rupees five Crore forty lakh and eighty eight thousand only)** for the above mentioned work as detailed in Annexure-I.

i. Civil works	Rs.	4,34,89,894/-
ii. Electrical Works	Rs.	96,70,834/-
iii. Electronics works	Rs.	2,45,958/-
iv IT	Rs.	6,81,314/-
Total	Rs.	5,40,88,000/-

2. The expenditure shall be debited to the Head of Account Code: **A-2 / AS. Necessary funds shall be made by way of Re-appropriation of funds in RE 2017-18 & BE 2018-19**
3. The work shall be executed by the **Maintenance Division, Chennai Airport.**
4. The work has been assigned **Job No.20/A-A & E-S/AAI/2017-18/CMD-IV**, which shall be mentioned in all future correspondence on the subject.
5. This issues with the approval of Airport Director, AAI vide office note No.N-29, Dated: 05/02/2018

Encl: As above


(S. ANBUMURUGAN)
ASST. GM (Engg -C)-CMD-IV

To

GM (F&A)

Copy to:

1. GM Engg (E)
2. GM Engg (C)
3. Jt. GM Engg (Electronics)
4. DGM Engg (C)-II
5. Jt.GM (IT)
6. Jt.GM (MT)
7. Asstt. Manager (PA) to Airport Director
8. Drawing Branch

new scheme

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F.Y 19-20

Annexure D

AIRPORTS AUTHORITY OF INDIA

Department of Engineering

Name of work : Construction of additional Multi storied CISF barracks accommodation at Palavanthangal, Chennai Airport

Major Head : Capital works

Minor Head : A2 Schemes

Detailed Head : N200001001151

This Preliminary estimate framed by Shri. C.S.Saravanan, AGM Engg(C), Shri. G.Ramesh AGME(E), and Shri. R.Sundar, Manager (AS), AAI, Chennai Airport, Chennai for a total amount of Rs. 16,55,76,842/- including 1% TNSWWF and 3% Contingencies for accord of necessary A/A and E/S from the Competent Authority.

Report

History

It has been decided by the Competent Authority, (GM (Sec.)) vide N-14 to provide additional barracks accommodation to the additional manpower from 1216 Nos to 1629 Nos which has been approved by BCAS vide letter No. CAS-3(32)/2003/Div-1/Chennai (E-97694) dated 21/07/2017 and subsequently AAI, CHQ letter No. AAI/CISF-40/A-SEC/636 dated 24/07/2017. As per AAI management decision vide CHQ letter No. Plg/523/1.8/2017/1381 dated 06.10.2017 and ION No.AAI/CISF-93/A-sec dated 04.10.2017 of Security Directorate, New Delhi, 60% of manpower to be provided barracks accommodation (i.e, 60% of 1629) for 968 person. Since already available accommodation is for person of 640 Nos. there is a short fall of 328 Nos, hence additional accommodation for 320 Nos in one block with G + 3 storied building is proposed/ This preliminary estimate has been framed on basis of the existing G + 3 (block-C drawings).

Accordingly this preliminary estimate has been prepared and forwarded for obtaining the A/A & E/S from the Competent Authority as there is a budget provision of Rs. 2.00 Lakhs in RE 2017-18 for the composite work.

Contd..Pg(2)

Design & Scope :**a) Civil works :**

1) Construction of 4-storied RCC framed structure (G+3) barrack, having plinth area of 4,500 Sqm and average floor height of 3.050 M, as under:

Floor	: Area (Sqm)
Ground Floor	: 1,290.00
First Floor	: 1,081.71
Second Floor	: 1,081.71
Third Floor	: 1,081.71
Total	: 4,541.13 say 4500

1) The barrack consists of four wings of having the capacity of twenty beds per wing (80 per floor) x 4 = 320 beds, with a common block on each side of the barrack.

2) Adjoining the main barrack, there will be a G+3 storied barrack building with separate toilet block at every floor. In addition the ground floor shall accommodate a dining hall / mess with a dedicated kitchen / pantry. The first, second & third floor shall have a recreation hall and a terrace.

3) There is one staircase proposed for entire structure.

4) Structural design consultancy shall be carried out through recognized institutions.

b) Electrical works :

- 1) HT equipment, Transformer and DG sets.
- 2) LT panel, UPS and cables
- 3) Internal wiring NCB and light fixture.
- 4) Earthing, lightening and external lightening .
- 5) HVAC & BMS system
- 6) Fire protection and fighting system
- 7) Elevator


c) Electronic works :

1. Providing and fixing EPABX with Telephone systems.
2. Providing and fixing Telephone cabling work.

Rates :

:: 3 ::

- a) Civil Works : CPWD PAR 2012 and DSR 2016 rates duly enhanced by CI and MR
- b) Electrical work : LMR
- c) Electronics work : LMR
- d) IT Department : LMR
- Cost : Rs. 16,55,76,842/-
- Method : By call of tenders
- Land : Available
- Time : 18 (16+2) Months
- T&P : Shall be arranged by the contractors
- W.C.E : Shall met out of contingencies.


(C.S.SARAVANAN)
AGM Engg (Civil)-V

11/2/18

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भारतीय विमानपत्तन प्राधिकरण
अभियांत्रिकी स्कंध (मुख्यालय)
राजीव गाँधी भवन, सफदरजंग हवाई अड्डा
नई दिल्ली-110003

संख्या: ए.ए.आई./सी.एच.क्यू./इंजी.-(विद्युत)/ जी.एम.एस.पी.पी./2017-18/170

दिनांक:- 08.09.2017

स्वीकृति आदेश
SANCTION ORDER

कार्य का नाम:- चेन्नई हवाई अड्डे पर 6.5 एमडबल्यूपी (डीसी) ग्रिड कनेक्टेड ग्राउंड माउंटेड सोलर पी वी पावर सिस्टम की डिजाइन आपूर्ति, इंस्टालेशन परीक्षण एवं उसे चालू करना ।

NAME OF WORK:- Design, Supply, Installation Testing and Commissioning of 6.5 MWp (DC) Grid Connected Ground Mounted Solar PV Power System at Chennai Airports.

SH: Administrative Approval and Expenditure Sanction.

- उपरोक्त कार्य के लिए अनुलग्नक-1 के अनुसार रु 49,61,74,000.00 (आकस्मिक व्यय के साथ) की प्रशासनिक अनुमोदन एवं व्यय संस्वीकृति एतद्वारा सम्प्रेषित की जाती है ।

The Administrative Approval and expenditure Sanction is hereby conveyed for an amount of Rs. 49,61,74,000.00 (Forty Nine Crore Sixty One, Lakhs Seventy Four thousand only) (Including Contingencies) for the above mentioned work as per Annexure-I.

- प्रस्ताव गैर बजट है, निधि को आरई 2017-18 में दिखाया जाएगा।

The proposal is non budgeted, fund shall be projected in RE 2017-18.

- इस कार्य को जॉब सं. एएआई/चेन्नई/जीएमएसपीपी/2017-18 के रूप में निर्दिष्ट किया गया है, जिसे भविष्य में इस विषय से संबंधित सभी पत्राचारों में उद्धृत किया जाएगा।

The work has been assigned Job No. AAI/Chennai/GMSPP/2017-18, which shall be quoted in all future correspondence on the subject.

- सदस्य (योजना), भाविप्रा के द्वारा "चेन्नई हवाई अड्डे पर 6.5 एमडबल्यूपी (डीसी) ग्रिड कनेक्टेड ग्राउंड माउंटेड सोलर पी वी पावर सिस्टम की डिजाइन आपूर्ति, इंस्टालेशन परीक्षण एवं उसे चालू करना" हेतु रु 49,61,74,000.00 की प्रशासनिक अनुमोदन एवं व्यय संस्वीकृति डायरी क्रमांक 2174 दिनांक 07.09.2017 को प्रदान की गई है ।

Member (Planning), AAI has accorded A/A & E/S for an amount of Rs. 49,61,74,000.00 for the work of "Design, Supply, Installation Testing and Commissioning of 6.5 MWp (DC) Grid Connected Ground Mounted Solar PV Power System at Chennai Airports" vide dairy no. 2174 dated 07.09.2017.

मनीष चौधरी

(मनीष चौधरी)

सहायक महाप्रबंधक (अभि.- विद्युत)

प्रतिलिपि:**External**

- 1 RED SR/ AAI Operational Offices, Chennai Airport.
- 2 Airport Director, Chennai Airport.
- 3 GM (Engg) SR/ AAI Operational Offices, Chennai Airport.
- 4 GM (F&A) SR/ AAI Operational Offices, Chennai Airport.
- 5 JGM/DGM/ AGM Engg (E), AAI, Chennai Airport.

Internal

- 1 PS to M (plg.), AAI, CHQ.
- 2 Executive Director (Engg)-SR, AAI, CHQ.
- 3 Executive Director (F&A), AAI, CHQ.
- 4 Executive Director (Architect), AAI, CHQ.
- 5 GM Engg (E)-SR, AAI, CHQ.

मनीष चौधरी

मनीष चौधरी

सहायक महाप्रबंधक अभि. (विधुत)

ABSTRACT OF COST

Name of work :- Design, Supply, Installation, Testing and Commissioning of 6.5MWp (DC)
Grid Connected Ground Mounted Solar PV Power System at Chennai International Airport.

S. No.	Description	Amount (In Lakhs Rs)
1	DSITC of 6.5 MWp GM SPV Power Plant	413513562.00
2	Consultancy services	8270271.00
3	Civil works related with Solar work	33482439.00
	Total for DSITC work	455266272.00
4	Two years DLP and 8 years CMC including 10 years O&M.	26455927.00
	Total for AICMC work	26455927.00
	Grand Total	481722199.00
	Add: Contingencies @3%	14451665.97
	Total i/c contingencies	496173864.97
	Say Total	496174000.00

*The expenditure towards AICMC shall be chargeable to R&M Head Chennai Airport.

GROUND BASED SOLAR POWER PLANT AT CHENNAI AIRPORT

Ground Based Solar PV Power Plant: Planning Department had identified 06 locations with total area approx. 32.73 acres in operational area at Chennai Airport for installation of ground mounted solar power plant. AA & ES for Rs.49.62 crores was accorded by Member (Planning) for Design, SITC of 6.5 MWp ground based grid connected Solar PV Power Plant vide AA&ES Memo dated 08.09.2017.

E-NIT for the work of "Engineering Consultancy Services for the proposed 6.5 MWp ground based Solar PV Power plant" has been invited on 11.01.2018.

1. Estimated Cost: 2% of proposed Solar plant cost of Rs.44,70,00,000/-
2. Time Allowed: 13 months (Consultancy Service: 03 months plus Main Solar Plant work: 10 months)
3. Tender Opened on: 06.02.2018



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**AIRPORTS AUTHORITY OF INDIA
OFFICE OF ED ENGG-SR**

A/A & E/S SANCTION MEMO

No.Engg./ED-SR/Chennai/B-taxi/2017 /1283

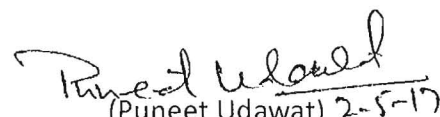
Date: 02.05.2017

Sub: Construction of 2 nos. Rapid Exit Taxiways (RET) for the main runway 07/25 and straightening of B-Taxiway as Parallel taxi track suitable for code-E Aircraft at Chennai International Airport, Chennai

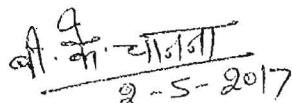
1. The Administrative Approval and Expenditure Sanction of the AAI Board is hereby conveyed for an amount of Rs.97.60 Cr. i/c 1% TNCWWF, 3% contingencies and Service Tax for the above mentioned work.
2. The works shall be executed in two parts:
Part-1: Straightening of TWY 'B' from Bay no 8 to RWY 30 along with parking bays.
Costing to Rs. 33.10 crores (Rs. 28.15 crores for civil works + Rs. 2.13 crores for electrical works+3% contingencies and Service Tax).
Part-2: From TWY 'C' to TWY 'K' and construction of 2 nos Rapid Exit Taxiways (RET)
Costing to Rs. 64.50 crores (Rs. 54.75 crores for civil works + Rs. 4.35 crores for electrical works +3% contingencies and Service Tax).
3. The expenditure shall be met from the Capital Budget of Chennai Airport, under scheme A2 CHQ Scheme S. No. 58 (Fund Centre No. B 200001001507) and Budget Provision is Rs. 4.00 Cr. in BE 2017-18.
4. The work shall be executed by the Engineering wing, Chennai Airport.
5. The work has been assigned job no. ED Engg-SR/2017-18/01 of Chennai project, which shall be quoted in all future correspondence on the subject.
6. The scheme/ Estimates has been approved by Chairmen, AAI vide noting NP/10 of concerned file on 29.04.2017.

Encl:

- i) Copy of approval of Chairmen, AAI dated 29.04.2017.
- ii) Copy of General Abstract of cost estimate.


(Puneet Udawat) 2-5-17
Sr. Manager (Engg-Civil)

Through Jt.G.M. ENGG. (C)-SR


2-5-2017

Copy to:

1. RED (SR) AAI, Chennai Airport, Chennai.
2. Airport Director, AAI, Chennai Airport, Chennai.
3. GM (E-C), AAI, Chennai Airport, Chennai.
4. GM (E-E), AAI, Chennai Airport, Chennai.
5. GM (Fin), AAI, Chennai Airport, Chennai.

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**AIRPORTS AUTHORITY OF INDIA
OFFICE OF ED ENGG-SR**

Internal:

1. EA to Member (Planning), AAI, CHQ.
2. Executive Director (Engg)-SR, AAI, CHQ.
3. Executive Director (F&A), AAI, CHQ.
4. Executive Director (Ops), AAI, CHQ.
5. G.M. (Engg -Elect)-SR, AAI, CHQ.
6. G.M. (Engg -Civil)-SR, AAI, CHQ.



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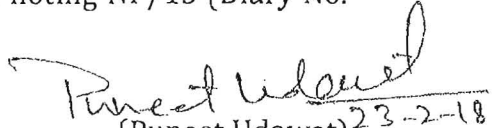
**AIRPORTS AUTHORITY OF INDIA
OFFICE OF ED ENGG-SR**

A/A & E/S SANCTION MEMO

No.Engg./ED-SR/Chennai/R Taxi (Leftout Portion)/2018/99 Date: 23.02.2018

Sub: Construction of "R" Taxi Track Left out portion connecting Runway 07-25 i/c. box culvert at Chennai Airport, Chennai. (Civil & Electrical works)

1. The Administrative Approval and Expenditure Sanction of Chairman, AAI is hereby conveyed for an amount of Rs.58.79 Cr. i/c 3% contingencies and applicable GST for the subject work as detailed in Annexure-1.
2. The expenditure shall be met from the Capital Budget of Chennai Airport, under A2 Scheme (Fund Centre No. B200001001533) and Budget Provision is Rs. 0.010 Lakh in RE 2017-18 and Rs. 1.250 crores in BE 2018-19.
3. The work shall be executed by the Engineering wing, Chennai Airport.
4. The work has been assigned job no. ED Engg-SR/2017-18/03 of Chennai Airport, which shall be quoted in all future correspondence on the subject.
5. This issues with the approval of Chairman, AAI vide noting NP/15 (Diary No. 540/CH) of concerned file on 21.02.2018.


(Puneet Udawat) 23-2-18

Sr. Manager (Engg-Civil)

पुनीत उदावत / PUNEET UDAWAT
वरिष्ठ प्रबन्धक (अधि. सिविल) / Sr. Manager (Engg.-Civil)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
राजीव गांधी भवन / Rajiv Gandhi Bhawan
सफदरजंग हवाई अड्डा / Safdarjung Airport
न्यू दिल्ली-110003 / New Delhi-110003

Encl: Annexure - 1

Copy to:

1. RED (SR) AAI, Chennai Airport, Chennai.
2. Airport Director, AAI, Chennai Airport, Chennai.
3. GM (E-C), AAI, Chennai Airport, Chennai.
4. GM (E-E), AAI, Chennai Airport, Chennai.
5. GM (Fin), AAI, Chennai Airport, Chennai.

Internal:

1. EA to Member (Planning), AAI, CHQ.
2. Executive Director (Arch), AAI, CHQ.
3. Executive Director (Engg)-SR, AAI, CHQ.
4. Executive Director (F&A), AAI, CHQ.
5. Executive Director (Ops), AAI, CHQ.
6. G.M. (Engg -Elect)-SR, AAI, CHQ.
7. G.M. (Engg -Civil)-SR, AAI, CHQ.



AIRPORTS AUTHORITY OF INDIA
OFFICE OF ED ENGG-SR

ANNEXURE - 1

ABSTRACT OF COST

Name of work: Construction of R Taxi track left out portion connecting runway 07-25 i/c. box culvert at Chennai Airport, Chennai.

Sub Head	Description of item	Amount (in Rs.)
I	Civil Works i/c GST	559608464.00
II	Electrical Works i/c GST	11168304.00
	Total (Civil + Electrical)	570776768.00
	Add contingency @3%	17123304.00
	Total amount of contingency i/c GST	587900072.00
	Say(Rs.)	58.79 crores


(Puneet Udawat) 23-2-18

Sr. Manager (Engg-Civil)

पुनीत उदावत / PUNEET UDAWAT
वरिष्ठ प्रबंधक (अवि. विमान) / Sr. Manager (Engg.-Civil)
भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India
राजीव गांधी भवन / Rajiv Gandhi Bhawan
सफदरजंग हवाई अड्डा / Safdarjung Airport
नई दिल्ली-110003 / New Delhi-110003