



## **MINUTES OF MEETING**

### **MINUTES OF 100<sup>TH</sup> MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 17<sup>TH</sup> OF SEPT., 2022 VIA VIDEO CONFERENCING**

In pursuance to Meeting Notice issued vide EAC/JK/22/14356-14370 dated: 09/09/2022, the 100<sup>th</sup> Meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 17<sup>th</sup> of Sept., 2022 at 11 A.M. via video Conferencing. The following attended the meeting:-

<b>No.</b>	<b>Name</b>	<b>Designation</b>
1	Mr. S.C. Sharma, IFS(Rtd.)	Chairman
2	Mr. M.A Tak, IFS(Rtd.)	Member
3	Engineer B.B. Sharma	Member
4	Mr. Irfan Yasin	Member
5	Mr. A.R. Makroo	Member
6	Prof. Anil Kr. Raina	Member
7	Dr.G.M. Dar	Member
8	Mr.Humayun Rashid	Secretary

Besides, Shri JN Sharma, Environmental Engineer, JK UT Pollution Control Committee was also taken on board in view of unique nature of the project.

The Secretary, JKEAC welcomed the Chairman, Members of the JK Expert Appraisal Committee, Mr. Sharma special invitee from Pollution Control Committee, Mr. Kuldeep Singh, Airport Director and the consultants.

The meeting proceeded as per following sequence: -

#### **AGENDA ITEM NO: 01**

Title of case:	Grant of Environment Clearance for Expansion of Existing Terminal Building, New Terminal Building and Allied Services at Sheikh-Ul-Alam International Airport also known as Srinagar Airport, UT of Jammu and Kashmir in favour of Airport Director, Airports Authority of India, Sheikh-ul-Alam Srinagar International, Airport.
Project type:	Airport (Expansion & allied services at Srinagar International Airport)

	INFRA-11
Category / Serial No. in schedule to EIA Notification:	B1 / 7(a)
Proposal no:	SIA/JK/MIS/77365/2022
File no:	SEAC/JK/20/588
Consultant with validity	GREENC INDIA Consulting Pvt. Ltd. Valid till: 22/02/2023
Presenter of consultant:	
Project proponent / representative of Project proponent:	M/S Airport Authority of India (Mr. Kuldeep Singh) Airport Director

### CASE SUMMARY

Status	Project cost (in Cr.)	Completion time (months)	Elevation (M) amsl	EPM cost proposed (in lacs)				CER budget proposed (lacs)
				Construction Phase		Operation Phase		
				Capital	Recurring	Capital	Recurring	
Expansion & allied works	1100	36	1648-1651	9.60	15.62	68.75	49.58	To be proposed by JKEAC in physical terms

Capacity of (STP) KLD	Existing land (acres)	Proposed land (acres)	Plot/Survey /Khasra No.	ToRs granted by (MOEF) on	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on
550	67.1	5.00	443,444, 445,446	12/03/2021	March-May 2021	16/03/2022	Fresh case

**Facilities to be developed over the proposed land:**

S. No	Features of Integrated Terminal Building	Existing Built-up Area in m <sup>2</sup>	Proposed Built-up Area in m <sup>2</sup>
<b>01</b>	<b>Passenger Terminal Building</b>		41,483.18
	Basement	2374.21	
	Ground Floor (Arrival level)	31680.73	
	Mezzanine Floor	7020.50	
	First Floor (Departure Level)	23875.08	
	Sky lounge level	1787.52	
	Ground Floor (Arrival) kerb	2846.59	
	First Floor (departure) kerb	1239.97	
<b>02</b>	<b>Service Block</b>		12,140.17
	Basement	249.39	
	Ground Floor (DG, Panel & Boilers)	1651.00	
	First Floor (chillers & offices)	1651.00	
<b>03</b>	<b>Security Gate Plaza</b>		
	Ground floor (Gate Plaza)	326.21	

	First Floor (Security Block)	512.49	
<b>04</b>	<b>Amenities Block</b>	362.00	
<b>04</b>	<b>Roads &amp; Pavement</b>	53546.61	
<b>06</b>	<b>Elevated Roads &amp; Ramp</b>	9743.33	
<b>07</b>	<b>Landscaping Works –i/c Lawns, Shrubs, Ground cover, Hardscape area and vertical plantation</b>	30690.96	
	<b>Total</b>	<b>1,69,557.6</b>	<b>54,000</b>

### LAND OWNERSHIP

<b>Land taken on Lease from IAF (acres)</b>	<b>Land transferred to AAI (acres)</b>	<b>Total Existing land (acres)</b>	<b>Proposed land for terminal design (acres)</b>
<b>A</b>	<b>B</b>	<b>C=A+B</b>	<b>D</b>
14.5	52.6	<b>67.1</b>	<b>5.0</b>

### SOLID WASTE DETAILS

<b>(Construction Phase)</b>	<b>(Operation Phase)</b>
<b>Construction waste generated from the project/ day (Ton)</b>	<b>Waste generated during operation phase/ day (Ton)</b>
0.01	4.179

## WATER REQUIREMENT

<b>(Construction Phase)</b>		<b>(Operation Phase)</b>			
<b>Raw water</b>	<b>Fresh water</b>	<b>Total Water Demand (KLD)</b>	<b>Fresh water demand (KLD)</b>	<b>Treated water demand (KLD)</b>	<b>Source of fresh water</b>
Water will be sourced primarily through tankers arranged by the contractors	Tube wells	720	300	420	2 existing tube wells

## WASTE WATER MANAGEMENT

<b>Type/Source</b>	<b>Quantity of waste water generated (KLD)</b>	<b>Treatment Capacity (KLD)</b>	<b>Treatment method</b>	<b>Mode of Disposal</b>	<b>Quantity of treated water used in recycling /reuse (KLD)</b>
Waste water will be generated from toilets, urinals, sinks, pantry, kitchen etc	420	550	MBR based STP	Through pipes	420

### POWER REQUIREMENT DETAILS

<b>Estimated load for Srinagar Airport (KVA)</b>	<b>Supplying Agency</b>	<b>Total No. of DG sets proposed (KVA)</b>
4613	J & K state electricity supply Authority	06 No. (4×2000 KVA) (2×750 KVA)

### MAN-POWER REQUIRED

<b>(Construction Phase) No. of workforce required</b>	<b>(Operation Phase) No. of staff required</b>
300	150

### GREEN BELT DEVELOPMENT

<b>S. No.</b>	<b>Description</b>	<b>Total</b>
1	Total area of green belt	<b>30690.96 m<sup>2</sup></b>
2	Percentage of total project area	<b>5.52 %</b>

### **APPRAISAL PROCESS**

(To be filled by JKEAC during online appraisal)

#### **STATUS OF DOCUMENTATION**

<b>S. No.</b>	<b>Document</b>	<b>Status</b>	<b>Remarks of the Committee</b>
1	Form 1-A/Form 2 as applicable	Submitted	Form – 2 submitted , But Form 1A to be furnished
2	Layout plan	Submitted	
3	Environmental Impact Assessment / Pre-Feasibility Report (EIA/ PFR)	Submitted	
4	Environmental Management Plan (EMP)	Submitted	
5	Corporate Environmental Responsibility (CER)	Not-Submitted	CER cost not provided. JKEAC may propose
6	Detailed project cost	Not-Provided	Cost break up needs to be submitted as applicable

#### **NOCs/ COMFORT LETTERS**

<b>S. No.</b>	<b>Department</b>	<b>Status as per NOC</b>	<b>Remarks/ Reference</b>
1	Irrigation Dept.	-----	
2	Flood Control Dept.	-----	
3	Traffic Dept.	-----	

4	Srinagar Development Authority	-----	
5	District Disaster Management Authority	Not submitted	
6	Central Ground Water Board	Not submitted	
7	Revenue Dept.	-----	
8	PHE (Jalshakti) Dept.	Not submitted	
10	Power Development Dept.	Not submitted	
11	Fire and Emergency Services	Not submitted	

### **Corporate Environmental Responsibility / CSR**

<b>S. No</b>	<b>Activities suggested by the Appraisal Committee</b>
1	Upgradation of educational institutions in villages around the airport within 3 kms of the site
2	Upgradation of Sanitation facilities in villages around the airport within 3kms of the site
3	Upgradation of Health facilities in villages around the airport within 3kms of the site
4	Plantation on vacant land and along roads
5	Soil Conservation works along the periphery of the airport karewas
	<b>Total</b>

### **Environment Management Plan**

#### **During Construction Phase:**

			Proposed by consultant
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S. No	Component	Item	Capital	Recurring
1	Air	Dust management with water sprinkling	2.00	1.00
		Covers for vehicles transporting construction materials	1.00	0.50
2	Water	Sanitary facility for construction workers	1.50	0.00
		Construction of green buffer around water body at site	1.00	0.20
3	Noise	Ear plugs & muffs	0.50	0.20
4	Soil	Preservation of top soil	0.50	0.00
5	Construction safety	Facilities to workers	0.40	0.00
6	Waste management	Bins for collection of waste from sites	0.20	0.04
7	Plantation at allowed places	Plantation	2.50	1.00
<b>8</b>	<b>Post project environmental monitoring</b>	---	---	<b>12.68</b>
Total			9.60	15.62

**During Operation Phase:**

S. No	Component	Item	Proposed by consultant	
			Capital	Recurring
1	<b>Air</b>	Proper traffic management	<b>1.00</b>	<b>0.75</b>

2	<b>Water</b>	Oil & grease trap	<b>0.75</b>	<b>0.40</b>
		Storm water management	<b>2.50</b>	<b>2.50</b>
		Rain water harvesting	<b>3.00</b>	<b>2.50</b>
		Installation of STP	<b>50.00</b>	<b>6.00</b>
3	<b>Noise</b>	Acoustic enclosure of DG set	<b>3.50</b>	<b>0.00</b>
4	<b>Energy conservation</b>	LED, BMS, Solar lights	<b>3.00</b>	<b>0.80</b>
5	<b>Waste Management</b>	Waste collection & segregation	<b>2.50</b>	<b>1.00</b>
6	<b>Landscaping</b>	Landscaping & Greenery	<b>2.50</b>	<b>0.75</b>
7	<b>Real time project environmental monitoring</b>	---	---	<b>34.88</b>
<b>Total</b>			<b>68.75</b>	<b>49.58</b>

#### **GENERAL PUBLIC HEARING CONCERNS**

<b>S. No.</b>	<b>Usual concerns expressed by public during proceedings</b>	<b>(Yes/No)</b>
1	Proposed project should be socio-economic friendly and requested that employment opportunity should be provided to the locals	Yes
2	Canteen, rest room should be provided to the taxi workers, labourers	Yes
3	Why only 550 KLD STP is provided for the treatment of 720 KLD of water proposed to be utilized due to expansion	Yes
4	Noise level should be monitored & displayed	Yes
5	Ambient air quality (AAQ) station should be installed for the continuous air quality monitoring	Yes

6	How BOD/COD can be drastically minimized from 300 mg/l to 10 mg/l, technology proposed needs to be elaborated	Yes
7	Water quality parameters require water test laboratory to be installed with display within the premises	Yes

**DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:**

- i. The meeting was attended by the project proponent, Shri Kuldeep Singh, Director, Srinagar Sheikh-ul-Alam International Airport and the Consultants; Mr. Rahul Singh, Ms Puloma Chaudhary and Ms Dipannita from M/S GREENCINDIA Consulting Pvt. Ltd.
- ii. The consultants informed that the Ministry of Environment, Forest & Climate change (MoEF&CC) vide F. No. 21-16/2021-IA-III dated 12/03/2021 has granted Terms of Reference (ToRs) to the expansion of existing terminal building, new terminal building and allied services at Sheikh-ul-Alam International Airport, Srinagar.
- iii. The project proponent has applied for grant of EC under B1 category before UT level Environment Impact Assessment Authority in pursuance to MoEF&CC Notification No. S.O. 1886(E) dated 20th April, 2022 whereunder the appraisal process of all expansion projects under 7(a) of schedule to EIA Notification of 2006, including airstrips, for commercial use, has been assigned to State/UT Level Environment Impact Assessment Authorities.
- iv. The Secretary, JKEAC informed that subsequent to above Notification, another notification has been issued by the Ministry under No. S.O. 3194(E) dated 14th July, 2022 which reads as “(ii) Only expansion of terminal buildings and allied buildings within the existing Airport premises >20,000 shall require Environmental Clearance, and such expansion up to 1,50,000 sqm. shall be appraised as per provisions of item 8(a) of the Schedule of this notification provided there is no increase in the existing area of the Airport”.
- v. The consultant gave a detailed PowerPoint presentation on the project during which a mismatch in area figures, as existed, between the information uploaded on the portal and the presentation was noted and the same came under discussion.
- vi. Mr. Kuldeep Singh, Director, Srinagar Airport clarified that 5 acres of land on which the expansion project is proposed is located within the total land of 67.1 acres comprising of 52.6 acres already with AAI and 14.5 acres taken from Indian Air force. The Committee, accordingly considered the project under 8(a) category in pursuance to the above cited notification and asked the consultant to upload **form 1-A** as it is mandatory for 8(a) category projects.
- vii. Although the project has now been considered under 8(a) category, notwithstanding the fact that the PP had placed EIA and Public Hearing Reports on record and also made some important commitments during the Public Hearing, therefore the same were discussed in detail during the session.
- viii. The consultant informed that the project period for completion of the expansion work is 3 years at an estimated cost of Rs 1100 crores.
- ix. Consultant further informed that the consumption of water during operation phase will be about 720 KLD out of which 300 KLD will be met with fresh water from existing tube wells and 420 KLD will be met from treated water from proposed STP. The consumption

of water during construction phase will be met primarily through tankers arranged by the contractors & tube wells present in the vicinity.

- x. The consultant informed that total power / load estimation for Srinagar Airport shall be 4613 KVA @ 0.95 Power factor for which 33/11 kV substation has been proposed by J&K State Electricity Supply Authority to cater for the Power requirement of Airport complex. 6 Nos. of DG Sets have also been proposed (4×2000 KVA+ 2×750 KVA) by the PP.
- xi. The direct employment during construction phase in the proposed project will be 300 skilled, unskilled and professional work-force while as during the operation stage about 150 staff shall be engaged.
- xii. Mr. J.N Sharma, Environmental Engineer-the special invitee from JK Pollution Control Committee desired that the pertinent provisions of THE CHEMICAL ACCIDENTS (EMERGENCY PLANNING, PREPAREDNESS, AND RESPONSE) RULES, 1996 should be followed wherever applicable in the project.
- xiii. The Committee also desired that the project proponent must submit conceptual building plan for the proposed terminal building and its allied services **duly certified by a third party** expert Agency for its safety and security keeping in view various threat perceptions involved in the proposed facility.
- xiv. A threat alleviation contingency plan duly approved by competent authority must also be submitted.
- xv. It was observed that the project proponent had not proposed any budget under CSR and therefore, the PP was asked to submit CSR budget as per CSR policy Rules.
- xvi. It was opined that since the Airport Authority must have formulated a Disaster Management Plan for the existing terminal building adjacent to which the proposed expansion terminal building is to come up, therefore, the PP **must certify** that all measures have been taken with regard to the disaster management in the proposed terminal building as well.
- xvii. The uploaded KML file was used to examine the site conditions on Google Image and it was found that some structures exist at the site which may have to be demolished for construction of the new terminal building. Therefore, the Committee desired that Demolition Waste Rules need to be complied in this case. It was recommended that the construction waste should be utilized as far as possible during the construction phase.
- xviii. It was observed that a number of septic tanks have been proposed during the construction phase for the labour force and this was not agreed by the Committee. Therefore, the JKEAC desired that the PP should install temporary STPs or channelize the wastes to the existing STP facility. This was agreed by the Airport Director and he assured that the wastes shall be moved to the existing STP facility to protect environment.
- xix. It was observed that the consultant had earmarked meagre funds under various important heads while as huge budget has been proposed under project monitoring in the EMP. Therefore, the consultant was asked to revise the budget appropriately and to keep adequate funding commensurate with the financial outlay for the project.
- xx. The issue of traffic management came under discussion. Committee felt that with the expansion of the airport, there shall be huge spurt in traffic volume which may aggravate the difficulty presently being encountered vis-a-vis smooth plying of traffic. The authorities concerned with the development of roads need to be sensitized to play proactive role in sync with the airport expansion so that no additional traffic related problems are encountered. Committee desired that comfort letters from such concerned authorities are to be obtained and made part of the documentation for grant of EC.
- xxi. In response, Mr. Kuldeep Singh, Director Srinagar Airport informed that there were already proposals that the Srinagar Metro project will be extended to Srinagar Airport in

- II nd phase. He was asked to provide the comfort letter in this regard. It was also informed by Director, Srinagar Airport that a Multi-level car parking shall also be constructed.
- xxii. While appreciating the airport expansion project, Committee noted that while indoor capacity and other amenities for the passengers are being augmented, similar concern with respect to longue facility needs to be shown for the passengers who do not find ready entry into the terminal building.
- xxiii. The CER cost has not been provided by the PP and it has been desired to consider same under the latest relevant OM under which EACs have been instructed to recommend same in physical terms instead of providing budget. Therefore, the Committee desired that the PP should propose the same as recommended herein above.
- xxiv. The project cost break-up details have not been provided by the consultant and it was desired that same be submitted.
- xxv. NOC/Comfort letter from the Indian Air Force, Central Ground Water Board (CGWB), Power Development Department, PHE (Jalshakti) Dept., Fire & Emergency Services Dept. and District Disaster Management Authority have not been submitted and therefore, the Committee desired that all statutory clearances and comfort letters required for the activity under Rules must be placed on record before the case is considered for grant of EC.

#### RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee desired that the PP should submit the following additional information before considering the case for grant of EC.

- a) Submission of form 1A.
- b) Submission of NOCs / comfort letters from all the stakeholder departments.
- c) Submission of details/break-up of the project cost of the proposed project.
- d) Submission of building cum landscape plan duly certified as deliberated above.
- e) Submission of Certificate by the PP to the effect that all measures have been taken with regard to the disaster management and environmental protection with regard to the proposed project.
- f) Submission of compliance to all other observations made herein above.

#### OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS

(Excellent/Good /Average/Poor)

(SCALE: 9 to 10= Excellent / 7-8=Good /5-6=Average / 4-5= below average / less than 3= Poor)

S. No	Component	M/S GREENC INDIA Consulting Pvt. Ltd
1	Submission of the documents	5
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	5
3	Presentation of factual details of case(s)	5
4	Field knowledge of the case(s)	5
5	Formulation of PFR, EMP, EIA, CER etc.	5
	Overall professional conduct during proceedings	5

The minutes were formulated online by the JK Level Expert Appraisal Committee (JKEAC) and are hereby issued with approval of the esteemed Chairman, JKEAC.



(Humayun Rashid)  
S E C R E T A R Y

JKUT level Expert Appraisal Committee

**NO:EAC/JK/22/14371-14383**

**Dated:22-09-2022**

Copy by email to:

1. The Member Secretary, J&K Environment Impact Assessment Authority (JKEIAA), /PCCF/Director, Ecology, Environment and Remote Sensing, J&K Govt., Jammu for favour kind information.
2. Sh. S. C. Sharma, Chairman, J&K Expert Appraisal Committee, (JKEAC) 331 Shastri Nagar, Jammu-180004 for favour of kind information.
3. Sh. M.A Tak, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 124 Mominabad (Near Jakfed), Anantnag Kashmir,-192101 for favour of kind information.
4. Sh. BrajBhushan Sharma, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 278/2 Channi Himmat, Jammu for favour of kind information.
5. Professor Shakeel Ahmad Romshoo, Member, J&K Expert Appraisal Committee, (JKEAC) Department of Earth Sciences Kashmir University Srinagar-190006 for favour of kind information and necessary action please.
6. Sh. Abdul Rashid Makroo, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) H/No. 9 Lane No 11 Sector C, Gulshan Nagar Nowgam Bypass, Srinagar-190019 for favour of kind information please.
7. Professor ArvindJasrotia Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 33/D Sainik Colony Jammu-180011 for favour of kind information please.
8. Dr.Ghulam Mohammad Dar, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Main Campus IMPA&RD, M.A Road, Srinagar-190001 for favour of kind information please.
9. Sh. IrfanYasin, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Bagh-e-Hyderpora, Bypass, Srinagar for favour of kind information please.
10. Professor Anil Kumar Raina, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Department of Environmental Science University of Jammu, Jammu-180006 for favour of kind information please.
11. Professor M. A. Khan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Khan House, A-27 Milatabad, Peerbagh "B" Srinagar for favour of kind information please.
12. Dr.Falendra Kumar Sudan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Professor Department of Economics University of Jammu, Jammu for favour of kind information please.
13. Sh. Sheikh Sajid, PA for information and with direction to upload the minutes on the environmental clearance portal at [parivesh.nic.in](http://parivesh.nic.in).
14. Concerned File.