



(भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय)  
(Govt. of India Ministry Of Environment, Forest & Climate Change)  
कौलागढ़ मार्ग पो 0 आ 0 आई 0 पी 0 ई 0  
Kaulagarh Road, P.O. - I.P.E.  
देहरादून-248 195  
Dehradun - 248 195

F. No. 22-331/2018-FGD **4355**

Dated **27** August, 2019

To

The Director General of Forests & Special Secretary  
Ministry of Environment, Forest, and Climate Change,  
Indira Paryawaran Bhawan,  
Jor Bagh Road,  
New Delhi- 110003.

**Sub: Submission of Financial Proposal for Satellite Survey of Encroachment position of Rejected Claims as per Order of Hon'ble Supreme Court in Writ Petitions(s) (civil) No(s). 109/2008 Wildlife First & Others versus Ministry of Forest and Environment & others**

Sir,

Kind attention is invited to the subject mentioned above. In compliance to the Hon'ble Supreme Court order in Writ Petitions(s) (civil) No(s). 109/2008 Wildlife First & Others versus Ministry of Forest and Environment & others, FSI has completed the analysis of 6264 rejected claim polygons (0.68%) out of the total 11,91,327 polygons and submitted the affidavit to the Hon'ble Supreme court.

FSI has limited infrastructure in terms of man power and systems (Hardware and Software) to implement such a large scale exercise along with its regular mandated activities. Based on the time study done while carrying out the analysis, a financial proposal for INR 48 00 crore is being submitted for hiring additional manpower and creating infrastructure for implementing the directions of the Hon'ble Supreme court of India, which is also mentioned in the submission made in the affidavit filed by FSI.

It is requested to kindly accord sanction for the first year's outlay for INR- 9 44 crore on priority so that the orders are complied in time.

Encl: As above

Yours faithfully,

(Dr. Subhash Ashutosh)  
Director General

ADG(FC)

Urgent

Please process and put up

SLA

28/8/19

16(SD)

28/8/19



(भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय)  
(Govt. of India Ministry Of Environment, Forest & Climate Change)  
कौलागढ़ मार्ग पो० आ० आई०पी०ई०  
Kaulagarh Road, P.O. - I.P.E.  
देहरादून-248 195  
Dehradun - 248 195

F. No. 22-331/2018-FGD **4355**

Dated **27** August, 2019

To

The Director General of Forests & Special Secretary  
Ministry of Environment, Forest, and Climate Change,  
Indira Paryawaran Bhawan,  
Jor Bagh Road,  
New Delhi- 110003

**Sub: Submission of Financial Proposal for Satellite Survey of Encroachment position of Rejected Claims as per Order of Hon'ble Supreme Court in Writ Petitions(s) (civil) No(s). 109/2008 Wildlife First & Others versus Ministry of Forest and Environment & others**

Sir,

Kind attention is invited to the subject mentioned above. In compliance to the Hon'ble Supreme Court order in Writ Petitions(s) (civil) No(s). 109/2008 Wildlife First & Others versus Ministry of Forest and Environment & others, FSI has completed the analysis of 6264 rejected claim polygons (0.68%) out of the total 11,91,327 polygons and submitted the affidavit to the Hon'ble Supreme court.

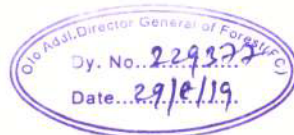
FSI has limited infrastructure in terms of man power and systems (Hardware and Software) to implement such a large scale exercise along with its regular mandated activities. Based on the time study done while carrying out the analysis, a financial proposal for INR 48.00 crore is being submitted for hiring additional manpower and creating infrastructure for implementing the directions of the Hon'ble Supreme court of India, which is also mentioned in the submission made in the affidavit filed by FSI.

It is requested to kindly accord sanction for the first year's outlay for INR- 9.44 crore on priority so that the orders are complied in time.

Encl: As above

Yours faithfully,

(Dr. Subhash Ashutosh)  
Director General



Financial Proposal for engaging manpower and creating  
infrastructure for carrying out Satellite Survey of Encroachment  
Position of Rejected Claims as per the Order of  
**Hon'ble Supreme Court of India** in Writ Petitions(s) (civil)  
No(s). 109/2008 Wildlife First & Others versus Ministry of  
Forest and Environment & others

**Submitted to: Ministry of Environment Forest and Climate change,  
Govt. of India**

**Forest Survey of India**  
(Ministry of Environment Forest and Climate change)  
Kaulagarh Road, P.O.IPE Dehradun – 248195  
Uttarakhand



## 1. BACKGROUND

The Hon'ble Supreme court of India in order dated 13-02-2019 in Writ Petitions(s) (civil) No(s). 109/2008 Wildlife First & Others versus Ministry of Forest and Environment & others gave the following directions to Forest Survey of India.

**“Let Forest Survey of India (FSI) make a satellite survey and place on record the encroachment position and also state the position after the eviction as far as possible”.**

Subsequently, following directions were given vide order dated 28-02-2019

“In the meantime, the Forest Survey of India has to make a satellite survey and place on record the encroachment positions as far as possible in this Court before the next date of hearing as directed in order dated 13.02.2019”.

## 2. TASK ASSIGNED TO FSI

As per the order dated 13.02.2019, total no. of claims filed under FRA is 29,76,513 out of which 11,91,327 is the number of rejected claims on which the status of encroachment positions is to be assessed by FSI using remote sensing technique.

**Table 1 : Status of claims under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 are as below:**

S.No.	States	Category	Total No. of claims filed	Number of rejected claims
1	Andhra Pradesh	Scheduled Tribes		66,351
2.	Assam	Scheduled Tribes	74,364	22,398
		OTFDs	19,966	5,136
3.	Bihar	Scheduled Tribes	2,976	2,666
		OTFDs	1,720	1,688
4.	Chhattisgarh	STs & OTFDs	4,830	20,095
5.	Goa	Scheduled Tribes	6,094	-
		OTFDs	4,036	
6.	Gujarat	Scheduled Tribes	1,68,899	-
		OTFDs	13,970	
7.	Himachal Pradesh	Scheduled Tribes	2,131	-
		OTFDs	92	
8.	Jharkhand	Scheduled Tribes	1,07,187	27,809
		OTFDs	3,569	298

S.No.	States	Category	Total No. of claims filed	Number of rejected claims
9.	Karnataka	Scheduled Tribes	48,432	35,521
		OTFDs	2,27,014	1,41,019
10.	Kerala	Scheduled Tribes	39,999	894
11.	Madhya Pradesh	Scheduled Tribes	4,26,105	2,04,123
		OTFDs	1,53,306	1,50,664
12.	Maharashtra	Scheduled Tribes	2,54,042	13,712
		OTFDs	1,05,681	8,797
13.	Odisha	Scheduled Tribes	5,73,867	1,22,250
		OTFDs	31,687	26,620
14.	Rajasthan	Scheduled Tribes	73,578	36,492
		OTFDs	597	577
15.	Tamil Nadu	Scheduled Tribes	31,821	7,148
		OTFDs	2,481	1,881
16.	Telangana	Scheduled Tribes	1,83,252	82,075
17	Tripura	Scheduled Tribes	1,66,584	34,483
		OTFDs	33,774	33,774
18	Uttarakhand	Scheduled Tribes	90	35
		OTFDs	119	16
19	Uttar Pradesh	Scheduled Tribes	31,846	20,494
		OTFDs	50,442	38,167
20	West Bengal	Scheduled Tribes	95,958	50,288
		OTFDs	36,004	35,856
<b>Total</b>			<b>29,76,513</b>	<b>11,91,327</b>

### 3. STATUS OF COMPLIANCE (as on the date of filing of affidavit 9<sup>th</sup> July, 2019)

- Out of 11,91,327 rejected claim polygons, FSI has received 8076 polygons of rejected claims from four states (viz Andhra Pradesh, Uttarakhand, Maharashtra and Odisha) which is only 0.68% of the total number of rejected polygons from the 21 states and Union Territories listed in the judgment.

- Out of the 8076 polygons received by FSI, 6556 polygons were found to be in usable form, of which only 6264 rejected polygons could be analyzed by FSI till 30<sup>th</sup> June, 2019 i.e. till the time of preparing draft affidavit.
- Out of 6264 rejected polygons pertaining to Andhra Pradesh (6248 Nos.) and Uttarakhand (16 Nos.) which were analyzed by FSI, 3587 rejected polygons have shown indications of encroachment which is 57.26% of the total number of analyzed polygons.
- Maximum possible strength of employees and systems (Hardware and Software) were deployed given the time bound nature of work by the orders of Hon'ble Supreme Court of India. All the ongoing works were put on hold and a team of 51 Technical Staff and Officers (45 technical staff and 6 officers for supervision and QC/QA) on full time basis were put on the assignment. Though diversion of staff has also affected the mandated work of preparation of India State of Forest Report 2019 which is also a time bound activity.

#### 4. HON'BLE SUPREME COURT OF INDIA ORDER DATED 8.8.2019

*“In case, the response is not filed by any of the aforesaid States/Union Territories, the Chief Secretary of such States /Union Territories Shall remain present in the Court on the next date of hearing.*

*We direct the States/Union Territories to supply the requisite information to the Forest Survey of India as required by it by 31<sup>st</sup> August, 2019, failing which also the Secretary of the concerned department of the State(s)/Union Territory shall remain present in the Court on the next date of hearing.”*

As evident from the above judgement, FSI has to continue doing analysis of encroachment positions in respect of polygons of rejected claims as the states have been directed to submit the polygons to FSI by 31<sup>st</sup> August, 2019. Doing analysis for approximately 1.2 million polygons is a gigantic task which would be possible only if additional manpower and infrastructure is added to existing strength of FSI.

#### 5. INFRASTRUCTURE AND MAN POWER CONSTRAINTS

- Remaining 11,85,063 rejected claim polygons are to be analyzed by FSI subject to availability of usable data by the concerned States & Union Territories.
- FSI has limited infrastructure in terms of man power and systems (Hardware and Software) to implement such a large scale exercise along with its regular mandated activities. Based on the time study done while carrying out analysis for over 6000 polygons received from the four



States, it was found that analysis of 14 to 16 polygons take one man-day on one computer system. At this rate, 11,91,327 polygons will involve approximately 80,000 man-days of work. At the maximum capacity of 20 personnel on 20 systems in the existing infrastructure at FSI which can be put to use for this kind of analytical work, the entire work may take up to 4000 days (16 years) to complete. The estimated expenditure in accomplishing the exercise for 11,91,327 polygons may go up to INR 48 crore if the cost involved in creating additional infrastructure is also included for speeding up the analysis within five to six years.

- Apart from contractual man power who were deployed for the exercise which was done in a time bound manner leaving aside mandated activities for two months, there will be an additional requirement of creating manpower at the senior level for supervision , quality check and analysis involved in the exercise. For this contractual manpower at the senior level will have to be engaged.

## 6. FINANCIAL PROPOSAL

If the time frame for the completion of analysis of remaining rejected claim polygons is to be reduced to 5 to 6 years then the team of analysts will have to be increased by three times and accordingly infrastructure and additional strength of officers for supervision, quality check etc. will have to be created. The estimated cost implication for the aforesaid additional strength and infrastructure creation has been worked out to be INR 48 crore.

**Table 2: Financial Proposal for additional manpower and infrastructure support**

Sl No	Requirement	Unit Rate (INR)	Quantity	Approx. Cost (in Cr)
1	Manpower	Analysts @38000 per month (70 months)	60 person	15.96
		Consultant @ 1 lakh per month (70 months)	6 person	4.2
2	Infrastructure creation	Systems @ 12 lakh	65 nos.	7.8
		Construction of GIS labs@3 cr	2 nos	6
3	Data & Applications	Procurement of Satellite data & development of spatial data applications	Lumpsum	10
4	Misc.	Travel, Printing of Report, Consultancy Fee, etc.		4
<b>Approx. Total</b>				<b>47.96</b>
				<b>or 48 Cr INR</b>

Table 3: Year wise phasing of expenditure

SI No	Requirement/Items	Year wise financial outlay (In INR crore)						Total (In INR crore)	Remarks
		I (FY-2019-20)	II (FY-2020 -21)	III (FY-2021 -22)	IV (FY-2022 -23)	V (FY-2023 -24)	VI (FY-2024 -25)		
1.	Manpower (analysts)	1.14	2.73	2.95	3.25	3.55	2.34	15.96	On contractual basis as per DST norms
2.	Manpower (consultants)	0.30	1.00	1.10	0.72	0.72	0.36	4.2	On contractual basis as per MoEF&CC guidelines
3.	Infrastructure (purchase of systems, hardware and software)	3.00	4.00	0.20	0.20	0.20	0.20	7.8	Workstations, Softwares and peripherals
4.	Infrastructure (construction of GIS lab)	1.5	3.70	0.20	0.20	0.20	0.20	6.00	Construction of GIS lab, partitioning etc.
5	Data & Applications (Procurement of Satellite data & development of spatial data applications)	3.00	2.00	2.00	1.00	1.00	1.00	10.00	VHR data procurement from NRSC
6.	Misc. (Travel, Printing of Reports, Ground truthing, Consultancy Fee, etc	0.50	0.75	0.75	0.75	0.75	0.50	4.00	
	<b>Total</b>	<b>9.44</b>	<b>14.18</b>	<b>7.2</b>	<b>6.12</b>	<b>6.42</b>	<b>4.6</b>	<b>47.96 or INR 48.00 cr.</b>	