

Government of India
Geological Survey of India



52
No: /IA&IGC/GSI_IGC field/CHQ/2018

Dated: 11.07.2018
International Affairs & IGC
Policy Support System
Central Headquarters
Kolkata 700 016

To
The Additional Director General & HoD/
Dy Director General,
Geological Survey of India,
ER- Kolkata/ NR- Lucknow/CR- Nagpur/
NER-Shillong/WR- Jaipur/SR-Hyderabad/
/M-IIB(NEnr), Kolkata/ M&CSD-Mangalore/
RSAS-Bangalore/ DGCO- New Delhi

The Addl. Director General/Dy Director General,
GSI, Mission-I/ Mission-III/Mission-IV, Kolkata/
Mission-II, Nagpur/ Mission V- Training Institute, Hyderabad

Sub: IGC linked FSP items in GSI-reg


Sir/Madam,

36th IGC society has requested to furnish endorsements/certificates, tentative execution plan, etc from all the coordinators/members associated with GSI FSP and non-FSP items linked with 36th IGC field traverse under different categories, for their own administrative procedures and requirements.

The list of documents required by 36th IGC Society from various field parties for 36th IGC linked Field Trips (**Annexure-I**), Endorsement forms (**Annexure 5A**) for Geo-scientists from other institutes/organization/ Retired officials **and** Endorsement forms for GSI officials (**Annexure 5B**), are attached below.

A guideline for GSI officials for submitting the endorsement is enclosed for reference.

It is requested to furnish the details **within 7 days** from the date of circular to ddgiaicg@gsi.gov.in.



(Dr. S. Raju)

DyDG, IA& IGC

No: /IA&IGC/GSI_IGC field/CHQ/2018
Copy for kind information to:

Dated: 11.07.2018

1. The Director General, GSI, CHQ, Kolkata 27 J.L. Nehru Road, Kolkata – 700016.
2. The DDG (IT), GSI, CHQ, Kolkata, 27 J.L. Nehru Road, Kolkata – 700016, with the request to upload the above in GSI portal.
3. All 22 field coordinators of IGC linked FSP items of GSI


(Dr. S. Raju)
DyDG, IA& IGC

Annexure-I

List of documents required by 36th IGC Society from various field parties for 36th IGC linked Field Trips

Type of Project	Administrative requirement at 36 th IGC
GSI officials involved only	a. Field Trip Proposal b. Form 5B (GSI) <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators c. Tentative execution Plan (in sync with congress timelines)
GSI + geo-scientists from other institutes	a. Field Trip Proposal b. Form 5A <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators iv. Undertaking from Institution c. Form 5B (GSI) <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators d. Tentative execution Plan (in sync with congress timelines)
Geo-scientists from other institutes	a. Field Trip Proposal b. Form 5A <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators iv. Undertaking from Institution c. Tentative execution Plan (in sync with congress timelines)
Geo-scientists from other institutes+ GSI official on individual capacity	a. Field Trip Proposal b. Form 5B (GSI) <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators c. Form 5A <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators iv. Undertaking from Institution d. Tentative execution Plan (in sync with congress timelines)
GSI official on individual capacity + Retired officials (not approaching through institutes)	a. Field Trip Proposal b. Form 5B (for GSI officials in Annexure-II) <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators c. Form 5A <ol style="list-style-type: none"> i. Endorsement ii. Certificate from investigators iii. Undertaking by investigators iv. Undertaking from Institution Counter sign on all bills related to TA/DA for (retired) non official professional. d. Tentative execution Plan (in sync with congress timelines)

Annexure-5A



36th INTERNATIONAL GEOLOGICAL CONGRESS, Delhi-NCR, INDIA, 2nd-8th March, 2020

PROPOSAL FOR FIELD TRIPS

ENDORSEMENT FROM HEAD OF INSTITUTION

(To be submitted on Institute's Letter Head)

1. Certified that the Institute/Organization welcomes the participation of Dr/Prof/Shri _____, as the Principal Co-ordinator/Investigator of the Project entitled " _____ " with Dr/Prof/Shri (1) (2) (3) (4) _____ -
_____ Attached /working with

_____(Name Of
the Institute/Organization) as Co- Investigators .

2. In the unforeseen event of discontinuance by the Principal Co-ordinator/ Investigator for a valid reason, any one of the Co-Investigator (to be decided by the team of Investigators) will assume the responsibility for the fruitful completion of the project (with due information to 36th IGC Society). Alternately, the Institute will take up the responsibility of deputing a competent expert from the institute as PC / PI for the successful completion of the project.

3. Certified that the equipment and other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to all the investigators throughout the duration of the project and the institute is committed to maintain and utilize the equipment around the year. All the Investigators will have access to the funds and facilities and equipment as per individual requirement reflected in the consolidated Budget approved by the 36th IGC Society.

4. Certified that equipment to be used in the proposal have not been procured out of any grant from the 36th IGC Society

5. Since the investigation is linked to 36th International Geological Congress to be held in Delhi in 2020, it is ensured that the investigation will be taken up in time-bound manner and will be open to review/course correction by the Expert Teams of 36th IGC Society

6. Certified that data generated out of the project will be made available to the 36th IGC Society. Guide Book and other scientific data generated during the Project will be the property of the 36th IGC Society. Investigators however will be able to publish data, if generated, in peer

reviewed journals with due acknowledgement of the assistance received from 36th IGC Society after the congress is over.

7. Institute/Organization will undertake the financial and other management responsibilities of the project.

Date:

Signature with Official

Seal

Place:

CERTIFICATE FROM INVESTIGATORS

1. I / We agree to abide by the terms and conditions of the 36th IGC Society grant for Field Investigation/ Research.

2. I/We did not submit the present proposal elsewhere for financial support.

3. I/We have explored and ensured that basic equipment and basic facilities with our organization /organizations will be made available as and when required for the purpose of present proposal. I/We shall not request financial support under this project, for procurement or augmentation of any basic institutional facilities which are normally available to us.

Date:

Signature of Principal Coordinator /
Investigator

with Official Seal

Place:

Date: (1)

Signature of Co-
Investigator
with Official Seal

Place:

Date: (2)

Signature of Co-
Investigator
with Official Seal

Place:

Signatures of (3) (4) (5) Co Investigators

UNDERTAKING FROM INVESTIGATORS

1. I/We agree to acknowledge the financial support given by 36th IGC Society, New Delhi. All publications (reports/scientific papers/review articles etc.) emerging out of the research /activity undertaken under this project will be acknowledged in the following format

“The author/authors duly acknowledge the financial support provided by the 36th IGC Society, New Delhi vide grant no.....” to conduct this investigation related to organization of Field Trips for the participants in the 36th International Geological Congress to be held in India in March 2020.” The publication does not discuss any official policy issues and the conclusions drawn in the paper are based on interpretation of results by the authors and reflect the consensus of the participating scientific community.

Date: Signature of Principal Coordinator / Investigator
with Official Seal

Place:

Date: Signature of Co- Investigator
with Official Seal

Place:

Date: Signature of Co-Investigator
with Official Seal

Place:

If more than two persons are involved. All investigators must sign.

Provided in institute Letter head

File No.:

Date:

UNDERTAKING FROM HEAD OF THE INSTITUTION

Code:

Title:

Name, Designation & Affiliation of Field Coordinator & Team Members:

This is to certify that this office will submit utilization certificate in proforma of GFR 12-A, as defined in rule 238 (1) and rule 230(10) of GFR 2017. The U.C., with reference to the grant referred shall be detailing the specified, quantitative and qualitative targets that are set to be achieved against the amount to be utilized. It is also to confirm that the utilization certificate will be submitted within three months subsequent to completion of one year from the date of receipt of the fund/ grant.

Signature:

Name :

Designation:

Annexure-5B

PROPOSAL FOR IGC 2020 FIELD TRAVERSE

ENDORSEMENT FROM HEAD OF INSTITUTION (GSI)

(To be submitted on GSI's Letter Head)

1. Certified that the Geological Survey of India welcomes the participation of Dr./Shri/ Smt.(Designation) as a Coordinator(s)/ Member(s) team formed for the development and conduct of the proposed IGC 2020 field traverse entitled

“
.....with

Dr/Prof/Shri

i.
.....ii.....
.....iii.....
.....iv.....
.....

(Names, Designations, Names of the Institutions and their role in the team for IGC 2020 field traverse to be given

2. In the unforeseen event of discontinuance by the Coordinator for a valid reason, any one of the coordinator(s) (to be decided by the team including other coordinators and members) will assume the responsibility for the fruitful completion of the of the field transect (with due information to 36th IGC Society). Alternately, the Geological Survey of India will take up the responsibility of deputing a competent expert from the department for the successful completion of the project.

3. The financial and administrative liabilities of GSI would be restricted to GSI officials executing the IGC field trip projects. The TA/DA of non-officials shall be extended by 36th IGC Society as per extant rule position.

4. Certified that the equipment and other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to all the coordinators and members throughout the duration of the development and conduct of the field traverse and the GSI is committed to maintain and utilize the equipments around the year. All the Investigators will have access to the funds and facilities and equipments as per individual requirement reflected in the consolidated Budget approved by the 36th IGC Society.

5. Certified that in the event of a part of the analytical data/ laboratory data being generated from the laboratories outside GSI due to lack of facilities/ due to inability of GSI to provide the time slot needed for the generation of quality data, the services of laboratories outside GSI shall be availed. The payment for the generation of such data shall be made to the outside institutions/ laboratories directly by the 36th IGC Society.

6. Certified that equipment to be used in the proposal have not been procured out of any grant from the 36th IGC Society.

7. Since the investigation is linked to 36th International Geological Congress to be held in Delhi in 2020, it is ensured that the investigation will be taken up in time-bound manner and will be open to review/course correction by the Expert Teams of 36th IGC Society

8. Certified that data generated out of the development of the IGC 2020 field traverse will be made available to the 36th IGC Society. Guide Book and other scientific data generated during the Project will be the property of the 36th IGC Society. Investigators however will be free to publish data, if generated, in peer reviewed journals with due acknowledgement of the assistance received from 36th IGC Society after the congress is over. The authorship rights for such publications would be responsibility of the team members.

9. Geological Survey of India will undertake the financial and other management responsibilities of the field transect and ensure that all the coordinators and members will be permitted to pursue the necessary data generation, interpretation, compilation and finally preparation of field guide as a standard field season programme approved by GSI in FS 2018-19. Involvement of the coordinators/members with the project shall be continued till the logical conclusion of the work related to development and conduct of the field traverse(s).

Date:
Seal
Place:

Signature with Official

CERTIFICATE FROM INVESTIGATORS (GSI)

1. I / We agree to abide by the terms and conditions of the 36th IGC Society grant for Field Investigation/ for the purpose of developing the field transect for IGC - 2020.

2. I/We have explored and ensured that basic equipment and basic facilities with our organization /organizations will be made available as and when required for the purpose of present proposal. I/We shall not request financial support under this are, for procurement or augmentation of any basic institutional facilities which are normally available to us.

3. As the development of the field traverse including augmentation of data is being carried out through GSI's field programme, a report will be submitted to the GSI by the undersigned involved in the development of the field traverse as per the instructions given under 1.4 of the circular (---/IAIGC/Guidelines_2/36IGC_field/2018, dated 12:01:2018) in this regard. The timeline given in 1.2 of the said circular for the submission of report, its review and its circulation, uploading in GSI Portal will be adhered to.

Date:
Place:

(1) Signature of Coordinator
with Official Seal

Date:
Place:

(2) Signature of Coordinator
with Official Seal

Signatures of

(3) (4) (5) coordinator

UNDERTAKING FROM INVESTIGATORS

I/We agree to acknowledge the financial support given by 36th IGC Society, New Delhi. All publications (reports/scientific papers/review articles etc.) emerging out of the research/activity undertaken under this project will be acknowledged in the following format

“The author/authors duly acknowledge the financial support provided by the 36th IGC Society, New Delhi vide grant no.....” to conduct this investigation related to organization of Field Trips for the participants in the 36th International Geological Congress to be held in India in March 2020.” The publication does not discuss any official policy issues and the conclusions drawn in the paper are based on interpretation of results by the authors and reflect the consensus of the participating scientific community.

Date: _____
Signature of Coordinator(s) / Investigator
with Official Seal

Place: _____

Date: _____
Signature of member
with Official Seal

Place: _____

Date: _____
Signature of member
with Official Seal

Place: _____

If more than two persons are involved. All investigators must sign.

Guidelines for submitting the Endorsements by GSI officials for 36th IGC linked FSP items

- I. The list of documents to be submitted by Principal Coordinator of IGC linked FSP project as per the type of project categorised by 36th IGC Society in the attached list (**Annexure-I**).
- II. Endorsement (Annexure-5B) From Head of Institution (GSI) to be submitted on GSI's Letter Head. As directed by Director General, GSI, the Endorsement need to be signed by ADG and Head of the Region/ DDG of S.U from where the IGC linked FSP originated and forwarded to Director General, GSI for approval, under intimation to Dy DG, IA&IGC (ddgiaigc@gsi.gov.in).
- III. The laboratory work components for the IGC linked FSP need to be complied as per observations of NMH-IV, GSI which are summarised as follows:
 1. Slots for laboratory analyses may be requested online through Laboratory Management System (LMS) in OCBIS , well in advance to book the machine.
 2. All the laboratory analyses (EPMA, XRD, Petrological/ petrographical studies, etc), Chemical analysis (ICPMS, XRF etc) palaeontological studies, etc may be carried out by officers in their respective/ nearest regional/ state unit laboratory.
 3. Fluid inclusion studies may be taken up by Petrology laboratory, NR or NCEGR, Bangaluru.
 4. TL/OSL Lab, Faridabad: Samples may be prioritized. Samples need to be submitted on or before October 2018 to get results by March 2019.
 5. Stable Isotope: GSI Bangalore can analyse 40 Samples of sulfide if pure separated fractions are submitted.
 6. CPL is ready to analyse all data required to be generated by Raman Spectroscopy
 7. Paleontology Division, CHQ capable of taking up Maximum 15 samples per year
 8. Presence of Sr isotope ration can be carried out up to 10 samples per item
 9. LA-Q-ICPMS Lab, Faridabad: Generally, 10 samples (mounts or sections) for each item are sufficient for LA-ICPMS studies. In case of special needs, another 5 each may be added for items CR006 and SR007.
 10. Geochronology: For in-situ U-Pb analysis, the no. of samples should be 2 no.s per item.
 - A. Sr analysis**
 - a. Samples should be cleaned and homogenized properly before crushing and powdering by TEMA mill.
 - b. Containers of TEMA mill should be cleaned properly to avoid contamination.
 - c. Sample powders will be of 200 mesh size. Before sending to GIG Lab, Sr content of the sample should be determined by XRF.
 - d. Minimum 5 to 10 grams of sample is required.
 - e. Samples should be sent to GIG Lab within November, 2018.
 - B. U-Pb analysis of zircon**
 - a. Fresh samples (completely devoid of alteration) should be collected preferably from quarries.
 - b. Samples having Zr content > 80ppm are worth for separation of zircon.

- c. 5 kilo sample of 1.5-2 cm chip size should be brought at GIG Lab, Kolkata for Zircon separation
- d. Per sample 250ml of Bromoform and 5 ltrs of acetone are required for separation. The cost of 250ml bromoform is approx. Rs. 4500/- and 5 ltr acetone is 400/-.
- e. For processing of two samples five working days. Wages requirement @Rs 368/ per day.
- f. To book the slot of rock processing lab for zircon separation, booking will be open from September, 2018 to February, 2019.
- g. CL image of the mounted and polished zircons are preferred for choosing ablation points and for better interpretation of data.
- h. CL image can be done in SEM LAB, Palaeontology Division, SR, Hyderabad, GSI. CL imaging is the responsibility of the FSP owner.

IV. The revised time line for development of 36th IGC Field trips and submission of Field Guide Book as per 4th Field Traverse Committee Meeting of 36th IGC is as under for reference. The execution plan for the field traverse development and guide book may be prepared accordingly.

No.	Milestones/ Deliverables	Allotted Time
Field Guide Book		
1.	Field Guide Template (FGT)	April to May 2018
2.	Preparation of Field Guide(FG)	June 2018 to April 2019
3.	First draft of FG submission	May 2019
4.	Review of FG by FTC	June to July 2019
5.	Second Draft of FG	July 2019
6.	Review of FG by FTC	Aug. to Sept. 2019
7.	Editing and Printing	Oct. to Dec.2019
8.	One day Trip	Oct. 2018 to July 2019
9.	One day Trip write-ups	May 2019 to Sept.2019
10.	Flagship Programmes	Dec.2018 to Feb. 2019
Dry Runs		
1.	Dry Run (DR)/ Field Work	March 2018 to March 2019 (extend up to Sept.2019)
2.	Transfer of Funds	April to May 2018
3.	Guided DR (FTC member +PCO+R-IGC+ Volunteers observers)	March 2018 to Sept. 2019
Field Trip Booking		
1.	Field Trip Booking Opens	March 2019
2.	Field Trip Booking Closes	Oct.2019
Meetings/Workshops		
1.	2nd International Workshop	July 2018
2.	FTC meetings	April, July & Nov. 2018 And June & Sept. 2019