

दूरभाष :
TELEPHONE :
तार : बार्क-मुंबई, चेम्बूर.
TELEGRAMS : BARC-MUMBAI, CHEMBUR.
फेक्स संख्या : ११-२२-२५५० ५१५१
FAX NUMBER : 91-22-2550 5151



ट्रॉम्बे,
मुंबई-४०० ०८५.
TROMBAY,
MUMBAI-400 085.

भारत सरकार
GOVERNMENT OF INDIA
भाषा परमाणु अनुसंधान केन्द्र
BHABHA ATOMIC RESEARCH CENTRE
(Civil Engineering Division)

Ref: BARC/CED/ET/3/2026-2027/693

Date: 12.05.2026

Name of Work: Geotechnical investigation including laboratory tests and topography survey for proposed Grain irradiator site of BARC at Lasalgaon, Nashik.

NIT No. : BARC/CED/ET/3/2026-2027 Dated 16/04/2026

MINUTES OF PRE-BID MEETING & SITE VISIT

Pre-bid meeting was held on 05th May, 2026 at 11.00 Hrs in 2nd floor conference room, CED, BARC, Mumbai.

Followings are the details of pre-bid meeting and site visit:

- i) 4 (Four) bidders attended the pre-bid meeting. However, no bidder visited the site.
- ii) The queries of bidders along with the clarifications by CED, BARC are enumerated in Table-1 below :

Table – 1

Sr. No.	Query of the bidders	Reply of CED, BARC
1	Whether site is clear for taking up Geotechnical Investigation works?	Yes
2	Whether Temporary power and water for this work could be provided by BARC on chargeable basis?	Regretted. Temporary power and water for the subject work is to be arranged by contractor at his own cost and the same shall be deemed to be included in the quoted rates.
3	Whether BARC will provide round the clock security by engaging its own	Regretted. However, the Contractor may deploy adequate

Sr. No.	Query of the bidders	Reply of CED, BARC
	guards?	security personnel(s) for securing the site during the entire project duration and the cost of which shall be deemed to be included in the quoted rates of the tenderer.
4	Whether work can be carried out on round the clock basis?	Yes. However, daily, weekly & monthly work plans have to be submitted to the Engineer-in-Charge in advance.
6	Whether qualified surveyor is required for this work?	Yes. A Qualified surveyor and Surveyor Assistant shall be present at site and the work shall be carried out using calibrated Total Station. All coordinates shall be shared with the Engineer-in Charge.
7	Whether in Item No 1, the survey benchmark shall be with reference to permanent bench mark.?	Yes it is within the scope of the contractor to establish all levels with reference to the permanent bench mark.
8	Whether tripod style rig or other portable rigs would be permitted?	Regretted. All terrain, versatile, Hydraulic Rig shall be deployed.
9	Whether MTech Geotechnical Engineer / Post Graduate Geologist could be deployed and considered as Technical Representative required under Schedule F.?	Yes, deployment of full time MTech Geotechnical Engineer / Post Graduate Geologist is mandatory and the said person will be considered as Technical Representative under Clause 36 (i) read with Schedule -F. The qualifications mentioned in Schedule F may be read as above. No additional cost will be paid in this regard and it shall be deemed to be included in the quoted rates.
10	Whether BARC officials will witness lab tests ? Is it mandatory ?	Yes, Contractor has to arrange & facilitate for witnessing of all lab tests by BARC Representatives by giving reasonable advance notice to BARC about the test plan.
11	Whether we can deploy only 1 rig and carry out the work ?	Regretted. Minimum 2 (Two) approved Hydraulic rigs shall be deployed at the site to carry out the work. The rigs deployed at site shall be in working condition and well maintained. Contingency plan shall be kept so that work is not affected.
12	Whether we can partially sublet the	Regretted. The work shall be wholly executed

Sr. No.	Query of the bidders	Reply of CED, BARC
	work to another agency. We will supervise the work.?	by the contractor to whom the work is awarded and subletting of work either in whole or in part is not permitted.
13	Whether labourers can be accommodated at site ?	Regretted. Labour camp is not permitted at site.
14	Whether we can install a small porta cabin for our site office ?	Yes. You may bring your own porta cabin at your own cost after giving prior intimation to BARC. However, the porta cabin shall be utilized only as a site office and shall be removed after completion of work at your own cost. Prior approval has to be sought from Chief Engineer BARC for installation of porta cabin. The contractor shall procure power at his own cost for the porta cabin.
15	Whether our labour will be permitted to use the wash rooms of nearby BARC Plant ?	Regretted. Contractor should install a temporary toilet in the form of porta cabin and maintain the same till the completion of work for his personnel & labourers. Proper hygiene shall be ensured at all times. However, the porta cabin shall be removed after completion of work at the cost of the contractor. Prior approval has to be sought from Chief Engineer BARC for installation of porta cabin. The contractor shall procure power/water at his own cost for the porta cabin and it shall be deemed to be included in his quoted rates.
16	Which labour welfare measures have to be adopted?	All labour welfare laws & rules shall be complied with.
17	For minimum wages which rates to be followed?	The minimum wages of labourers shall be the higher of the wage notified by Government of India, Ministry of Labour and that notified by the local administration, both relevant to the place of work and the period of reckoning.
18	Whether joint ventures are permitted?	Regretted.
19	In schedule-F, milestones are not mentioned. Please clarify.	By the time one-fourth of the stipulated completion period has elapsed, at least one-eighth of the total work, i.e. 12.5%, shall be completed. By the time one-half of the total time has elapsed, the cumulative progress shall be at least three-eighths of the whole work, i.e.

Sr. No.	Query of the bidders	Reply of CED, BARC
		37.5%. By the time three-fourths of the stipulated time has elapsed, the cumulative progress shall reach at least three-fourths of the whole work, i.e. 75%. Finally, the entire work shall be completed within the full stipulated completion period.
20	Whether Extension of Time will be given ?	Time is the essence of this contract. As there is no hindrance in this project and site is clear, vacant and encumbrance free, extension of time is not foreseen at this juncture. For Extension of time (if any), the same shall be dealt as per the conditions of the contract
21	Whether daily progress report has to be submitted alongwith site observed data to the EIC of BARC ?	Yes.
22	Whether we can deploy our own vehicle for this work at our cost for transporting our personnel/materials?	Yes. However, prior intimation has to be given to the EIC of the work.
23	Whether the Engineer supplied under Item No. 40 shall be under the control of EIC of the work. Whether we can also utilize him for our works ?	Regretted. The Engineer deployed by the Contractor under Item No. 40 of the BoQ shall be available full time exclusively for the subject work and shall not be used for the Contractor's other works. He shall coordinate with and follow the directions of the EIC only for the execution of this work, without creating any service relationship with the Department / Employer / EIC. The Engineer's engagement, payment, statutory compliance, conduct, and disengagement shall remain the sole responsibility of the Contractor. If his performance is found unsatisfactory by the EIC, the Contractor shall discontinue his deployment and provide a suitable replacement as per the item description, without any additional claim.
24	Whether the item for supply vehicle can be omitted from this scope of work?	Regretted.

Sr. No.	Query of the bidders	Reply of CED, BARC
25	Whether locally filled water cans can be provided for Item No. 45?	Regretted. Only standard company filled & Company sealed water cans having BIS mark shall be provided at site for utilization by BARC Staff.
26	Whether Bio-Data alongwith Qualifications of the MTech Geotechnical Engineer/Geologist have to be submitted for approval by BARC prior to his deployment at site ?	Yes.
27	Whether we can directly visit the site?	Yes. However, contractors shall inform us before visiting the site to make necessary arrangements at site.
28	Whether site is located in the vicinity of KRUSHAK Facility Lasalgaon ?	Yes.
29	Whether running bills will be paid within 1(One) Month from the date of certification by EIC.?	Yes.
30	Whether Extension of time can be granted for monsoon season?	Regretted.

General Instructions:

1. Contractor shall satisfy himself about site conditions: It is deemed that before tendering for the work, the contractor has visited the site and obtained all information and satisfied himself about the site conditions for construction, for logistics and for smooth mobilization of resources viz. workmen and materials as well as permission from the authorities for this purpose including security regulations on entry procedures. The contractor has examined the site and taken note of character of the building, correct dimensions of the work site and facilities for obtaining any special articles called for in the contract documents. The bidder(s) are free to send any query on this before submission of bid(s). Any extra claims or extension of time made on a later date, in consequence of any misunderstanding on site conditions on the part of the bidder(s) or on the grounds of collection of insufficient information by the bidder(s) shall not be entertained by BARC.

2. During execution of work all labourers, supervisors & engineers of contractors shall use personal protective equipments. Work execution without PPEs shall not be permitted. The contractor shall follow strictly the BARC Construction Safety Manual / DAE safety

rules during execution of works. BARC Construction Safety Manual is available in BARC website: www.barc.gov.in / tenders.

3. Any work activity shall be started at site with prior work permit and/height pass system and the same shall be approved by departmental safety officer/Engineer/Supervisor.

4. Safety posters and safety ribbon to be fixed and maintained at site at no extra cost.

5. After receipt of work order, separate permission will have to be obtained by the contractor for installation of temporary structure/s, if required, for execution of the subject work well in advance for which no additional cost/time will be entertained.

6. Valid PVC (Police Verification Certificate) or Police Clearance Certificate is mandatory requirement for all supervisors, engineers, labourers, authorized signatories and employees of the contractor until the completion of the work. It will be the responsibility of the Contractor to get the character & antecedents of the labourers, engaged by him, for carrying out the work being awarded to him, verified from the police authorities, if required. However, security restrictions are liable to change depending on instructions from the competent authority from time to time. No claim or additional time for completion will be entertained / granted on a later date on the ground of security restrictions, whatsoever.

All drivers of transport vehicle or other vehicles carrying materials/men to site should have valid driving license mandatorily and vehicles should have valid documents.

7. The schedule of quantities is to be read for the purpose of pricing in conjunction with the general conditions of contract, special conditions, additional conditions, general rules for the guidance of contractors, specifications & technical parameters, drawings/design, schedule of supply of materials and the annexures & appendices.

8. The quantities stated are to be considered approximate only and the unit prices entered in the schedule of quantities and prices shall apply only to the actual quantities measured in the completed work in accordance with the drawings and specifications.

9. All the materials other than those shown in schedule of supply of materials (Schedule-A) are to be arranged by the contractor and his rates should account for the same.

10. Contractor shall make necessary arrangements for keeping the site and surroundings clean including the access roads on daily basis. Housekeeping shall be carried out on daily basis. No separate payment will be made for the same.

11. The contractor is bound to follow BARC Security rules and regulations which are updated from time to time. No additional claim, whatsoever, will be entertained by the Department on this account.

12. The tentative/suggested makes have been specified in the tender document based on requirements of BARC, desired performance, detailed study of the technical parameters, manufacturing process, and quality assurance/control & testing. The list is merely for guidance purpose. However, the bidder(s) can prefer any other make(s)

which is/are meeting technical specifications given under Section-V, the Schedule of Quantities (Schedule 'B') given under Section-VIII of A&CED Tender Documents in BARC website and shall conform to the technical parameters/performance of the tentative/suggested makes and/ or shall conform to the relevant BIS codes or other relevant codes. In case of non-approved make(s), the bidder(s) shall suggest such equivalent / alternate make / brand, meeting above-mentioned technical parameters, during pre-bid stage and before submission of bid(s).

13. The layout plan of Geotechnical investigation is attached as **Annexure – 1**.

Safety issues:

Construction Safety manual of BARC is available on Department website (www.barc.gov.in) which is to be followed. The contractor shall have to follow work permit system, height pass system and checklist systems as mentioned in the Construction Safety Manual. No additional claim on account of this will be entertained in future; the contractor should quote accordingly at the time of submission of financial bids.

The necessary safety PPEs and devices like full harness safety belt, safety helmets, safety shoes, safety gloves, safety goggles, safety net, walkway platform, etc. in good condition shall be used by all workers, supervisors and engineers at site. Safety posters, hard barricading, soft barricading by using safety tapes/ribbons to be fixed and maintained at site at no extra cost. The contractor shall arrange the PPEs, posters, hard & soft barricading and all other safety items/systems at his own cost. No additional claim on account of this will be entertained in future; the contractor should quote accordingly at the time of submission of financial bids.

It will be the responsibility of the Contractor to get the character & antecedents of the labours, engaged by him, for carrying out the work being awarded to him, verified from the police authorities if required. However, security restrictions are liable to change depending on instructions from the competent authority from time to time. No claim or additional time for completion will be entertained / granted on a later date on the ground of security restrictions, whatsoever.

Additional Clarifications :

1. The successful bidder / contractor shall maintain the status of the lowest bidder i.e. L1 bidder at any stage. The contractor shall have to operate all BOQ items including low rated items (if any) in order to maintain the L1 status at the time of completion / closure of the awarded work. In case the L1 status is not maintained, the contractor shall have to deposit the differential amount to the Department in order to maintain the lowest bidder status. On non-compliance on the part of the contractor, the Department reserves the right to deduct such differential amount from the receivables of the contractor from the subject work or any other work(s) under the Govt. of India / State Govt. / Local bodies.

2. The contractor has to submit the phased programme for completion of work within the stipulated date mentioned in the LOA/work order. In case the contractor does not submit the phased programme within the stipulated time, the phased programme issued by the department shall be final and binding on the contractor and shall form integral part of contract agreement.

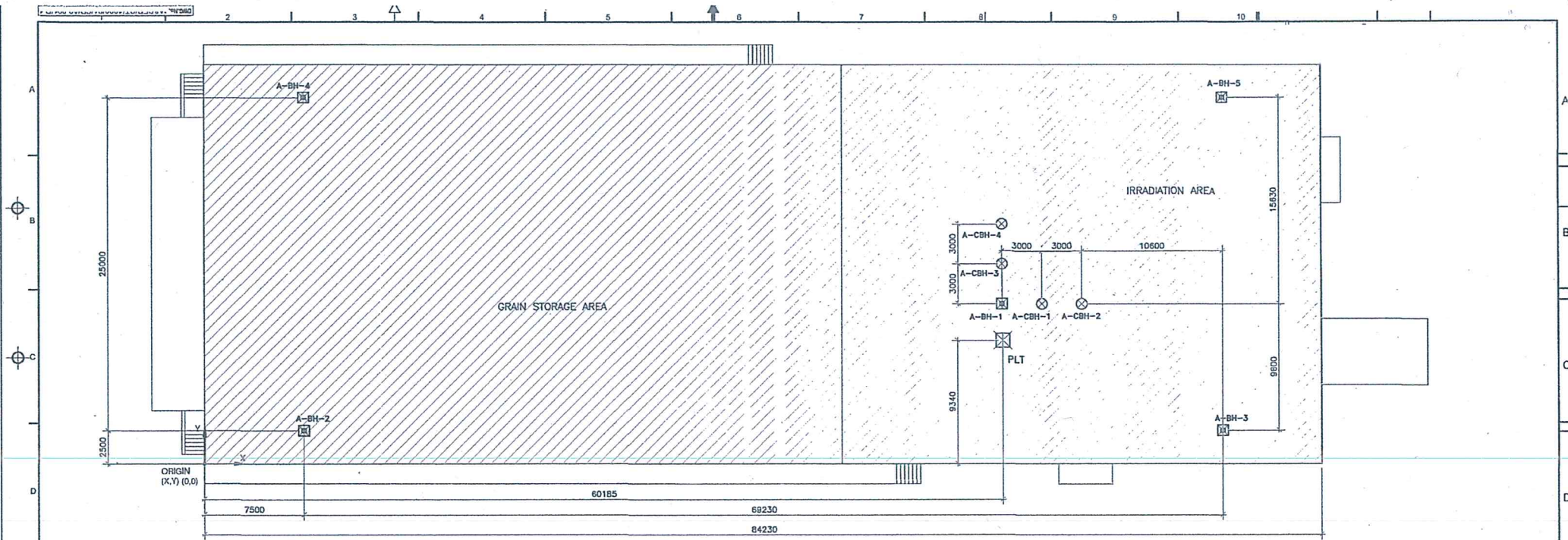
All other terms and conditions shall remain unchanged.

Tenderers are requested to upload these minutes duly signed and stamped along with Tender Document and this shall form a part of agreement.

The above minutes are issued with the concurrence of Competent Authority.



(P. V. Pise)
EIC(Q), CED



△ LAYOUT PLAN OF BORE HOLES, GRAIN IRRADIATION AT LASALGAON
(SCALE-1:200)

⊗ (LOCATION OF BOREHOLES AS PER LATEST ARCHITECTURAL DRAWING, ANY CHANGES IN ARCHITECTURAL DRAWING OR AT SITE SHALL BE REPORTED TO A&SED BEFORE EXECUTION.)

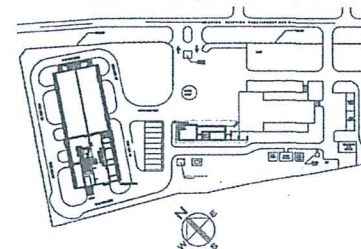
LOCATION OF FIELD TESTS				
SL No	TEST	LOCATION	LEVEL	REMARKS
1	PRESSURE METER TEST (PMT)	A-BH-1	AT A DEPTH OF 3M, 4.5M, 6M, 9M, 12M, 18M, 24M	SL NO. CF-8 OF GEOTECH. INVESTIGATION FORMAT-1
2	PILATE LOAD TEST PLT	AS SHOWN	AT RAFT FOUNDATION LEVEL	

EVALUATION OF BORE HOLES

- ASSUMED MAXIMUM WIDTH OF FOUNDATION ≈ 14 M
- ASSUMED RAFT FOUNDATION LEVEL ≈ 6 M
- DEPTH OF BORE HOLE SHALL BE MAXIMUM OF:
 - 1) 1.5 TIMES THE WIDTH OF FOUNDATION BELOW FOUNDING LEVEL (AS PER IS 1892:2021) = $(1.5 \times 14) + 6 \approx 27$ M
 - 2) 2 TIMES THE WIDTH OF FOUNDATION BELOW FOUNDING LEVEL † AS PER IS 1893 (PART-1):2016 ‡ = $(2 \times 14) + 6 \approx 35$ M
 - 3) FOR SHEAR WAVE VELOCITY (V_{s30}) CALCULATION = 30 M

HENCE DEPTH OF BORE HOLE
(FOR A-BH-1 TO A-BH-5) = 35 M
(FOR A-CBH-1 TO A-CBH-4) = 35 M

LOCATION OF BORE HOLES				
MARK NO.	X	Y	DEPTH OF BORE HOLE	
A-BH-1	15,000 M	12,500 M	35 M	
A-BH-2	7,500 M	2,500 M	35 M	
A-BH-3	52,500 M	2,500 M	35 M	
A-BH-4	7,500 M	22,500 M	35 M	
A-BH-5	52,500 M	22,500 M	35 M	
A-CBH-1	18,000 M	12,500 M	35 M	
A-CBH-2	21,000 M	12,500 M	35 M	
A-CBH-3	15,000 M	15,500 M	35 M	
A-CBH-4	15,000 M	18,500 M	35 M	



△ LOCATION PLAN OF GRAIN IRRADIATION AT LASALGAON

- NOTES:-**
1. ALL DIMENSIONS ARE IN METRES AND LEVELS ARE IN METRES. NO DIMENSION IS TO BE SCALED OFF THIS DRAWING.
 2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION FORMAT- 1 & 2.

LEGEND:-

▨ PROPOSED BUILDING ⊗ CBH-CROSS BORE HOLE
 ⊗ BH-BORE HOLE □ PLATE LOAD TEST

REFERENCE DWG.				
SR.NO.	DWG.No.	AGENCY	NATURE OF DWG.	DETAILS REF. TO
①	A&SED/RA/4008/01/PO/A1-04/R-A (SHEET 0 OF 0)	ARCH.	SITE PLAN WINDOW SCHEDULE FINISH SCHEDULE	GENERAL

①	07-05-26	LAYOUT OF BUILDING IS REVISED AS PER THE LATEST ARCH. DRG & ISSUED FOR SITE USE		
	09-12-24	ISSUED FOR SITE USE		

SR.NO.	DATE	DESCRIPTION	DESIGNER (D1)	C.D.E SIGN.

REVISIONS

BHABHA ATOMIC RESEARCH CENTRE ENGINEERING SERVICES GROUP		ST	
PROJECT GRAIN IRRADIATOR AT LASALDAON			
SUB PROJECT -			
TITLE DETAILED GEOTECHNICAL INVESTIGATION LAYOUT FOR GRAIN IRRADIATOR AT LASALGAON			
DESIGNED BY MUZAFFAR IQBAL	DRAWN BY SUMITA EKRAMUL H.S.	CHECKED AND RECOMMENDED BY DAKSHI PRAGHA S. ENGR. IN-CHARGE (D1)	APPROVED BY CHIEF DESIGN ENGR. & HEAD, SPDS
DATE OF APPROVAL		SCALE	
		1:200	
DRAWING No. A&SED/ST/4008/01/SD/A2-001/R-1			SHEET 1 OF 1