

SECTION-VII (i)**PROFORMA OF SCHEDULES**

Name of the Work:	Core Drilling and Chemical Anchoring of Bolts at BARC, Mysore
Tender No:	BARC/MYS/MD/AN/WT/2025/NIT

SCHEDULE 'A'

Schedule of materials to be issued to the contractor

Sl. No.	Description of item	Rate at which the materials will be charged to contracted (issue rate & storage charges to be shown separately)			Place of issue
		Approx. Quantity	Unit	Rates	
1	2	3	4	5	6
1	Water	As required	-	Free Issue Material	At one point near site of work. (Pipe/Hose for connecting the pipe from Outlet point to water tanker to be arranged by contractor)
2	Electricity	As required	kWh	Rs. 10 per kWh	At one point near site of work / nearest available power source.

Notes: (1) The contractor shall barricade the labour colony with a 3 meter high GI sheet providing sufficient illumination around the periphery, and having single entry/ exit gate. (2) The contractor shall provide round-the-clock security, with one Security personnel assigned for each 8-hour shift. (3) The facilities in the labour colony shall be provided by the contractor in accordance with the conditions mentioned in "Model Rules for the Protection of Health & Sanitary Arrangements for workers" and the "Safety code" of the Tender Document (Refer Section-III). (4) The contractor shall deploy a supervisor at all times in the labour colony to assist the department for security related issues. (5) Consumption of liquor and smoking are strictly prohibited in the construction site and labour colony. The contractor shall submit an undertaking to ensure compliance with this policy.

SCHEDULE 'B'

Schedule of quantities : Attached separately

SCHEDULE 'C' (Applicable)

Tools and plants to be hired to the contractor

Sl. No.	Description of item	Hire charges per day	Place of issue
1	2	3	4

SCHEDULE 'D' (Not Applicable)

Extra schedule for specific requirements / document for the work, if any.

SCHEDULE 'E'

Name of the Work:	Core Drilling and Chemical Anchoring of Bolts at BARC, Mysore
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Location: : RMP, BARC, Yelwal, Mysore, Karnataka-571130

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Scope of work	: For detailed scope of work refer Technical Specification.
(i) Estimated cost of work	: ₹ 11,800,000 (+) GST
(ii) Earnest money	: ₹ 278,480
(iii) Performance Guarantee	: 3% of tendered value (i.e. value of the entire work as stipulated in the letter of award.)
(iv) Security Deposit	: 2.5% of tendered value (i.e. value of the entire work as stipulated in the letter of award.)

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SCHEDULE 'F'			
GENERAL RULES & DIRECTIONS		: Chief Engineer, BARC Mysuru	
Definitions:			
2(v) Engineer-in-Charge	: Officer appointed by Chief Engineer, BARC Mysuru		
2(viii) Accepting Authority	: Chief Engineer, BARC Mysuru		
2(x) Percentage on cost of materials and Labour to cover all overheads and profits	: 15%		
2(xi) Standard Schedule of Rates	: BARC Schedule of Rates		
2(xii) Department	: Bhabha Atomic Research Centre (BARC), Department of Atomic Energy, Government of India		
Clause 1			
Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance or Work Order	: 14 days		
Maximum allowable extension with late fee of 0.1% per day of Performance Guarantee amount beyond the period provided above	: 15 days		
Clause 2			
Authority for fixing compensation under Clause 2	: Chief Engineer, BARC Mysuru		
Clause 2A			
Whether Clause 2A shall be applicable	: No		
Clause 5			
Number of days from the date of issue of Work Order for reckoning date of start of Completion Period	: 15th day, after date of written order to commence the work. The date of commencement may be modified during award of work which shall be communicated in the work order.		
Table of Mile Stone(s)	: Not Applicable (In case of Maintenance Works)		
Table of Mile Stone(s) :			
SI No.	Description of Milestone	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1	1/8 th (of whole work) as assessed from the running payments	1/4 th (of Stipulated Completion period)	In the event of non-achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone.
2	3/8 th (of whole work) as assessed from the running payments	2/4 th (of Stipulated Completion period)	
3	3/4th (of whole work) as assessed from the running payments	3/4 th (of Stipulated Completion period)	
4	Full (of whole work) as assessed from the running payments	Full	

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Time allowed for execution of work	: 180 Calendar days including monsoon period.	
Authority to decide:		
(i) Extension of time	: Chief Engineer, BARC Mysuru	
(ii) Rescheduling of mile stones	: Superintending Engineer , BARC Mysuru	
Clause 6, 6A		
Clause applicable – (6 or 6A)	: Clause 6/ 6A is Applicable	
Clause 7		
Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	: 20% of Tendered value (However bill of lesser may also be accepted as per discretion of Engineer-in-Charge)	
Clause 10A (Applicable)		
List of testing equipment to be provided by the contractor at site lab.		
1 Pull-Out Test Equipment	2	
3	4	
Clause 10B(ii)		
Whether Clause 10B(ii) shall be applicable	: No	
Clause 10C (Applicable)		
Component of labour expressed as percent of value of work	: 20%	
Clause 10CA (Not Applicable)		
Materials covered under this clause (10 CA)	Nearest Materials for which All India Wholesale Price Index to be followed	Base Price of all the Materials covered under clause 10CA
Note: Base price for materials given above are for regulating operation of clause 10-CA. The tenderers are requested to consider prevailing market rates while quoting the rates.		
Clause 10CC (Not Applicable)		
Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	: 180 Calendar days	
Schedule of component of other Materials, Labour, P.O.L. etc. for price escalation.		

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Description of Component	Calculation of "W" (Cost of work for which escalation is applicable) will be based Schedule/ Group of Items	% Component expressed as percentage of Schedule/ Group of Items based on which "W" was calculated	Nearest Material/Commodity for which All India Wholesale Price Index to be followed/Labour Rates

Clause 11

Specifications to be followed For execution of work	: Technical Specifications as given in the Tender Document.
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Clause 12

12.2 & 12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply
Schedule/ Group of Items	Deviation Limit %
Core Drilling and Chemical Anchoring of Bolts	10%

Clause 16

Competent Authority for deciding reduced rates	: Chief Engineer , BARC Mysuru
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:	
1 Core Drilling Machine	3
2 Metal Fixtures	4

Note: (i) The above mentioned list of machinery, tools & plant to be deployed by the contractor at site are the minimum mandatory requirements. The contractor shall deploy additional machinery, tools & plant in order to maintain the progress of the work without any extra cost to the department. (ii) Also the above mentioned list of machinery, tools & plant shall be available at appropriate stage of execution. The decision of the Engineer in Charge regarding this matter shall be final and binding

Clause 36 (i)

Requirement of Technical Representative(s) and recovery rate

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Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum experience	Nos	Rate per month at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)
For works of Estimated Cost More than 100 Cr.						
1	Graduate Engineer	Major Component	Project Manager	20 (and having experience of one similar nature of work)	1	Rs. 60,000/- per month
2	Graduate Engineer	Major Component	Deputy Project Manager	12 (and having experience of one similar nature of work)	2	Rs. 40,000/- per month
3	Graduate Engineer	Minor Component	Deputy Project Manager	12 (and having experience of one similar nature of work)	1	Rs. 40,000/- per month
4	Graduate Engineer or Diploma Engineer	Major Component	Project / site engineer	5 or 10 Years Respectively	4	Rs. 25,000/- per month
5	Graduate Engineer or Diploma Engineer	Minor Component	Project / site engineer	5 or 10 Years Respectively	2	Rs. 25,000/- per month

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6	Graduate Engineer	Major Component	Quality Engineer	8	1	Rs. 25,000/- per month
7	Graduate Engineer	Minor Component	Quality Engineer	8	1	Rs. 25,000/- per month
8	Diploma Engineer	Surveying	Surveyor	8	1	Rs. 15,000/- per month
9	Graduate Engineer	Major Component	Project Planning/billing	6	1	Rs. 20,000/- per month
10	Graduate Engineer	Minor Component	Project Planning/billing	6	1	Rs. 20,000/- per month
For works of Estimated Cost More than 50 to 100 Cr.						
1	Graduate Engineer	Major Component	Project Manager	20 (and having experience of one similar nature of work)	1	Rs. 60,000/- per month

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2	Graduate Engineer	Major Component	Deputy Project Manager	12 (and having experience of one similar nature of work)	1	Rs. 40,000/- per month
3	Graduate Engineer	Minor Component	Deputy Project Manager	12 (and having experience of one similar nature of work)	1	Rs. 40,000/- per month
4	Graduate Engineer or Diploma Engineer	Major Component	Project / site engineer	5 or 10 Years Respectively	1	Rs. 25,000/- per month
5	Graduate Engineer or Diploma Engineer	Minor Component	Project / site engineer	5 or 10 Years Respectively	1	Rs. 25,000/- per month
6	Graduate Engineer	Major Component	Quality Engineer	8	1	Rs. 25,000/- per month
7	Graduate Engineer	Minor Component	Quality Engineer	8	1	Rs. 25,000/- per month

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8	Diploma Engineer	Surveying	Surveyor	8	1	Rs. 15,000/- per month
9	Graduate Engineer	Major Component	Project Planning/billing	6	1	Rs. 20,000/- per month
10	Graduate Engineer	Minor Component	Project Planning/billing	6	1	Rs. 20,000/- per month
For works of Estimated Cost More than 20 to 50 Cr.						
1	Graduate Engineer	Major Component	Project Manager	20 (and having experience of one similar nature of work)	1	Rs. 60,000/- per month
2	Graduate Engineer	Major Component	Deputy Project Manager	12 (and having experience of one similar nature of work)	1	Rs. 40,000/- per month
3	Graduate Engineer or Diploma Engineer	Major Component	Project / site engineer	5 or 10 Years Respectively	1	Rs. 25,000/- per month

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4	Graduate Engineer or Diploma Engineer	Minor Component	Project / site engineer	5 or 10 Years Respectively .	1	Rs. 25,000/- per month
5	Graduate Engineer or Diploma Engineer	Major Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month
6	Graduate Engineer or Diploma Engineer	Minor Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month
For works of Estimated Cost More than 10 to 20 Cr.						
1	Graduate Engineer	Major Component	Project Manager	10 (and having experience of one similar nature of work)	1	Rs. 30,000/- per month
2	Graduate Engineer or Diploma Engineer	Major Component	Project / site engineer	5 or 10 Years Respectively .	1	Rs. 25,000/- per month
3	Graduate Engineer or Diploma Engineer	Major Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	2	Rs. 15,000/- per month

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4	Graduate Engineer or Diploma Engineer	Minor Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	2	Rs. 15,000/- per month
For works of Estimated Cost More than 5 to 10 Cr.						
1	Graduate Engineer	Major Component	Project Manager	5 (and having experience of one similar nature of work)	1	Rs. 25,000/- per month
2	Graduate Engineer or Diploma Engineer	Major Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month
3	Graduate Engineer or Diploma Engineer	Minor Component	Project Planning /quality/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month
For works of Estimated Cost More than 1.5 to 5 Cr.						
1	Graduate Engineer or Diploma Engineer	Major Component	Project Manager cum planning /quality/site/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month
1	Graduate Engineer or Diploma Engineer	Minor Component	Quality/site/ billing Engineer	2 or 5 Years Respectively .	1	Rs. 15,000/- per month

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For works of Estimated Cost More than 15 Lakh to 1.5 Cr.

1	Graduate Engineer or Diploma Engineer	Major Component	Project Manager cum planning /quality/site/ billing Engineer	2 or 5 Years Respectively	1	Rs. 15,000/- per month
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For works of Estimated Cost up to 15 Lakhs

1	Diploma Engineer	Major Component	Project Manager cum planning /quality/site/ billing Engineer	5 Years Respectively	1	Rs. 15,000/- per month
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Note: i) Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. ii) This is the mandatory minimum strength required and shall be progressively deployed as per the instructions of the Engineer-in-Charge. iii) The Contractor can deploy more than the mandatory minimum strength (i.e adequate Nos. of technicians, site supervisors, accounts & office staff), considering the contractual obligations. iv) The contractor has to submit deployment schedule of all the Technical Representatives before commencement of the work to the Engineer in Charge.

Clause 42 (Not Applicable)

(I) Schedule / statement for determining theoretical quantity of cement & bitumen shall be on the basis of Technical Specifications/ BARC Schedule of Rates.

(II) Variations permissible on theoretical quantities

(a) Cement

For works with estimated cost put to tender not more than Rs.5 Lakhs	: 3% plus / minus
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For works with estimated cost put to tender more than Rs.5 Lakhs	: 2% plus / minus
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(b) Bitumen all works	: 2.5% plus only & nil on minus side
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(c) Steel Reinforcement and structural steel Sections for each diameter, section and category	: 2% plus / minus
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(d) All other materials	: Nil
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RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

		Rates in figures and words at which recovery shall be made from the contractor	
Sl. No.	Description of item	Excess beyond permissible variation	Less use beyond the permissible variation

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Name of the Work:	Core Drilling and Chemical Anchoring of Bolts at BARC, Mysore		
Tender No:	BARC/MYS/MD/AN/WT/2025/NIT		
Special Instructions to Tenderers			
Clause-53 Special Payment terms applicable for this tender	: Nil		
Clause-54.a Applicability of Contractor's All Risk Policy Clause	: No		
Clause-57 Whether Sub-Contracting is allowed for this tender	: No		
In case Sub-Contracting is allowed, details of portions (s) of the Contract that can be sub-contracted	: Not Applicable		