प्लाज़्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त संस्थान
An Aided Institute of Department of Atomic Energy, Government of India

इन्दिरा पुल के पास, भाट, गांधीनगर – 382 428 भारत
दूरभाष: (079) 2396 2020/2021/2028
फैक्स: 91-079-23962277
वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2020/2021/2028
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/127
Date : 20-07-2018

Due on : 23-08-2018 by 1:00 PM IST

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to localpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-LP-01.V4**)
2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer **clause no: 8** of Form No: **IPR-LP-01.V4**

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	Cable Laying as per technical specification sheet	1.0 Nos.

Note: Please quote with complete technical details (Technical compliance sheet and product data sheet).
Encl: As per attachment.

Sd/-

Mr. D. Ramesh
Purchase Officer-II

Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, http://www.ipr.res.in/documents/tenderseng.html for our future requirement.

Technical Specification for Cable Laying

1. Scope of Work:

i. Laying of items mentioned in section. 2 through route mentioned in section :3 as per actual length – inside utility building, on Utility building wall, in trench , ITER India Building Cable area and DNB Lab ground floor.

ii. This would include fixing/welding/laying of cable tray of appropriate size .This cable tray and cables in Sr No:2 will be provided as Free Issue material(FIM) by IPR/ITER India .Cable tray has has to be installed in cable area ,ITER India Building for a length of 29 mtr approx and at a height of 2.1 mtr from floor. This should be done as per Fig 2,6 and 7 of section 3.

iii. PVC Conduit pipe/Cable tray of appropriate size has to be installed as per section 3 between utility building and Load distribution center building for approx. length of 10mtr at a height of 7mtr from ground. This would be provided as free issue material (FIM) by IPR . Refer fig 4 of section 3 for laying of PVC conduit/cable tray.

iv. Except the area mentioned in Sr no:(ii) and (iii) ,in rest of the place cable would be laid with support from saddle clip of appropriate size and at interval of 0.5mtr

Approximate length is 150 mtr for each run and elevations are mentioned section 3. The cable laying work has to be completed within 4 weeks from date of issue of PO.

2. Type of Cable and its length

Sr. No	Name of Item	No of runs	Approx Quantity
1.	Single Core 25 Sq mm	1	150mtr
2	Single Core 16 Sq mm	1	150mtr
3	Flexible Cable 50 Sqmm	2	150 mtr
4	Control Cable	2	150 mtr

The billing would be done as per actual length.

3. Route

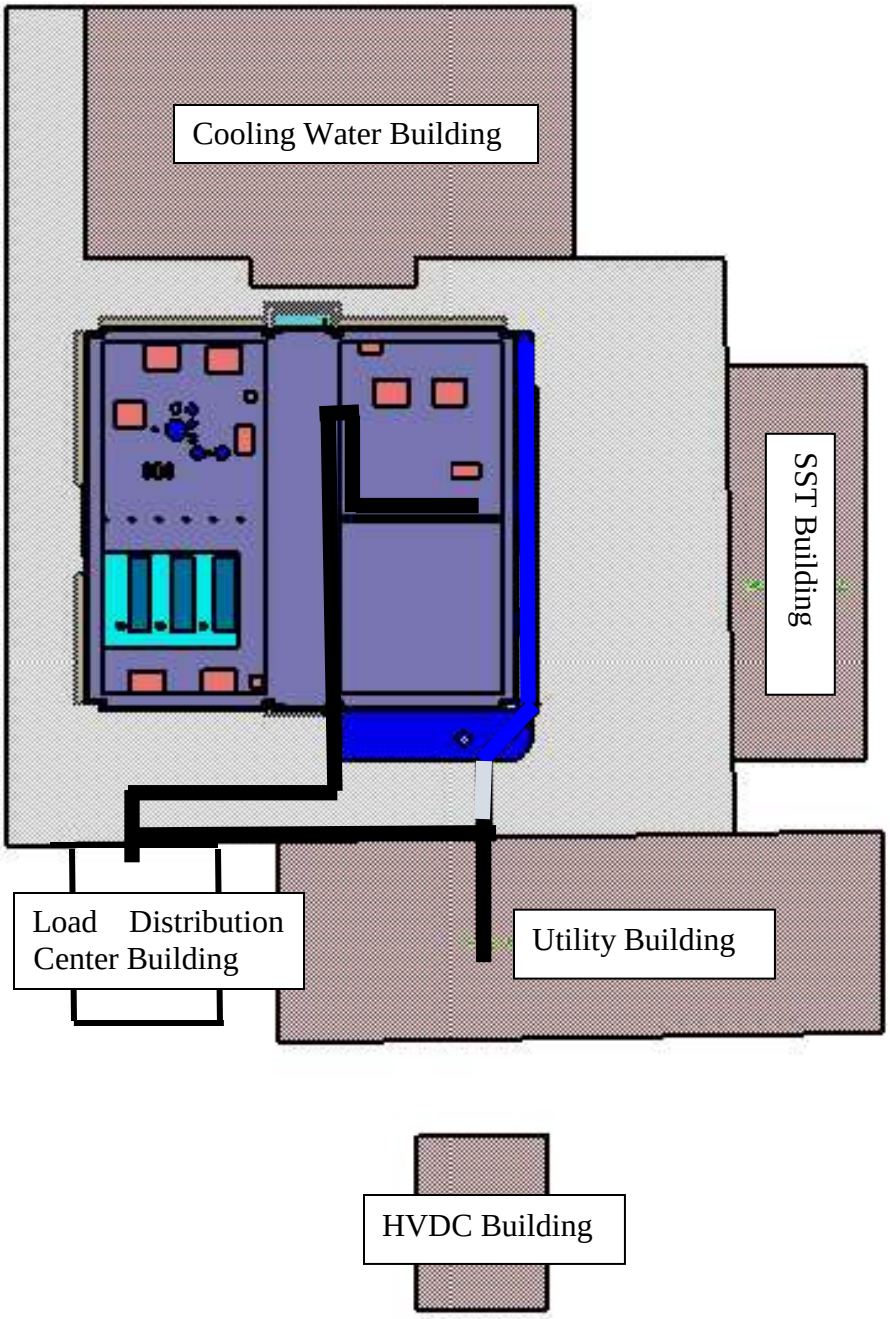
Cooling Water Building
SST Building
Load Distribution Center Building
Utility Building
HVDC Building

Fig 1 Plan view of cable route and associated building. Route of Cable laying highlighted in bold.

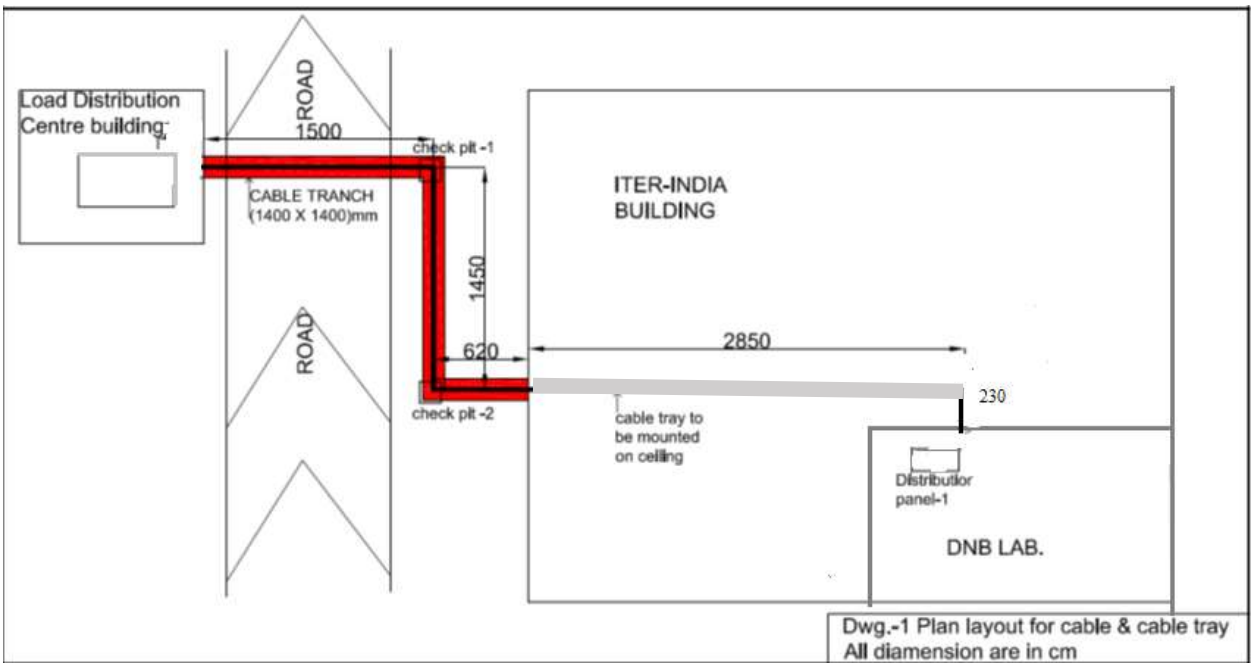

Fig2 Plan view of cable route from Load distribution centre building to DNB lab, ITER India Lab Building with trench route highlighted in dark. The area highlighted in light grey is the portion for which cable tray of appropriate size has to be laid.

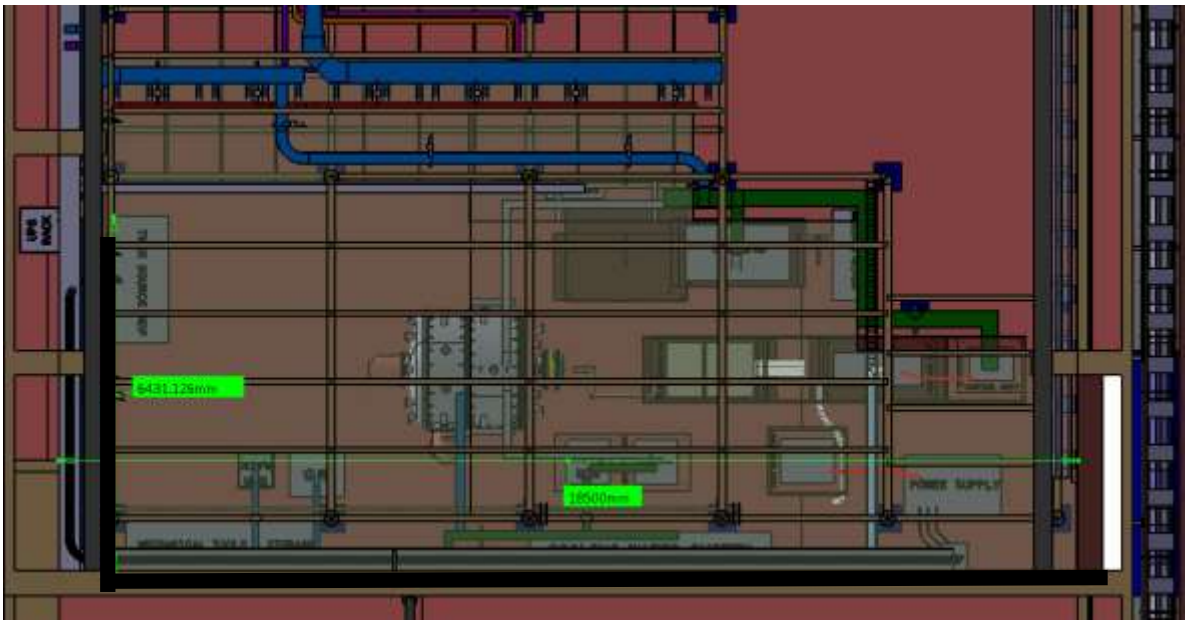

Fig3 Plan view of cable route inside DNB lab, ITER India Lab Building highlighted in dark

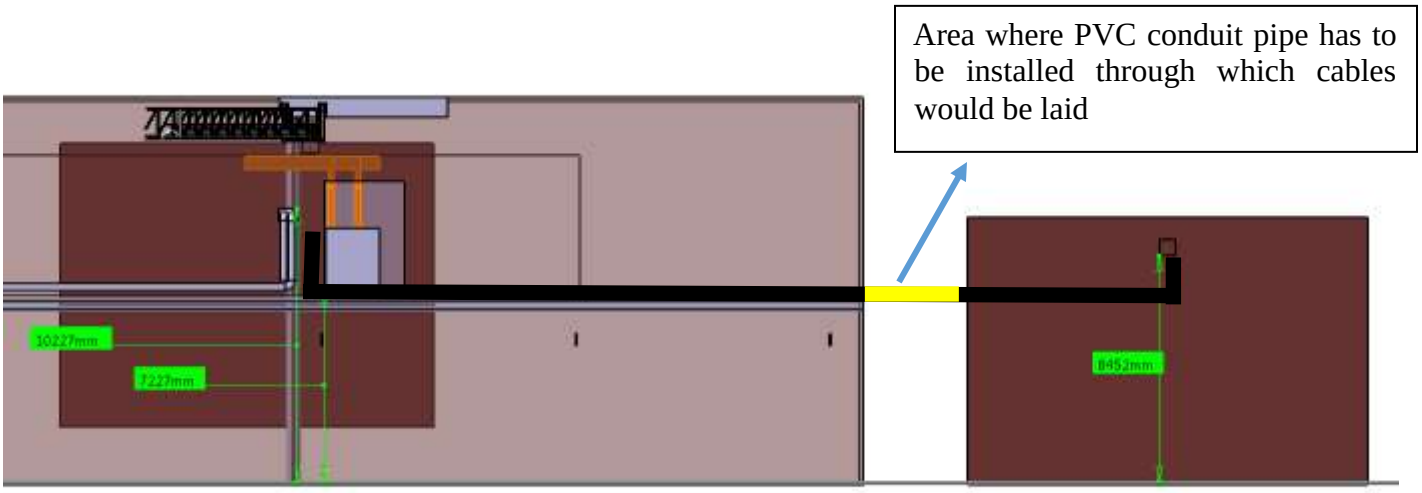

Fig4 Elevation of Cable route highlighted in black from utility building outside to load distribution centre building. The portion highlighted in light grey is the region where PVC conduit pipe/Cable tray has to be installed through which cables would be laid.

Fig5 Elevation of Cable route highlighted in dark inside DNB lab ITER India Lab Building

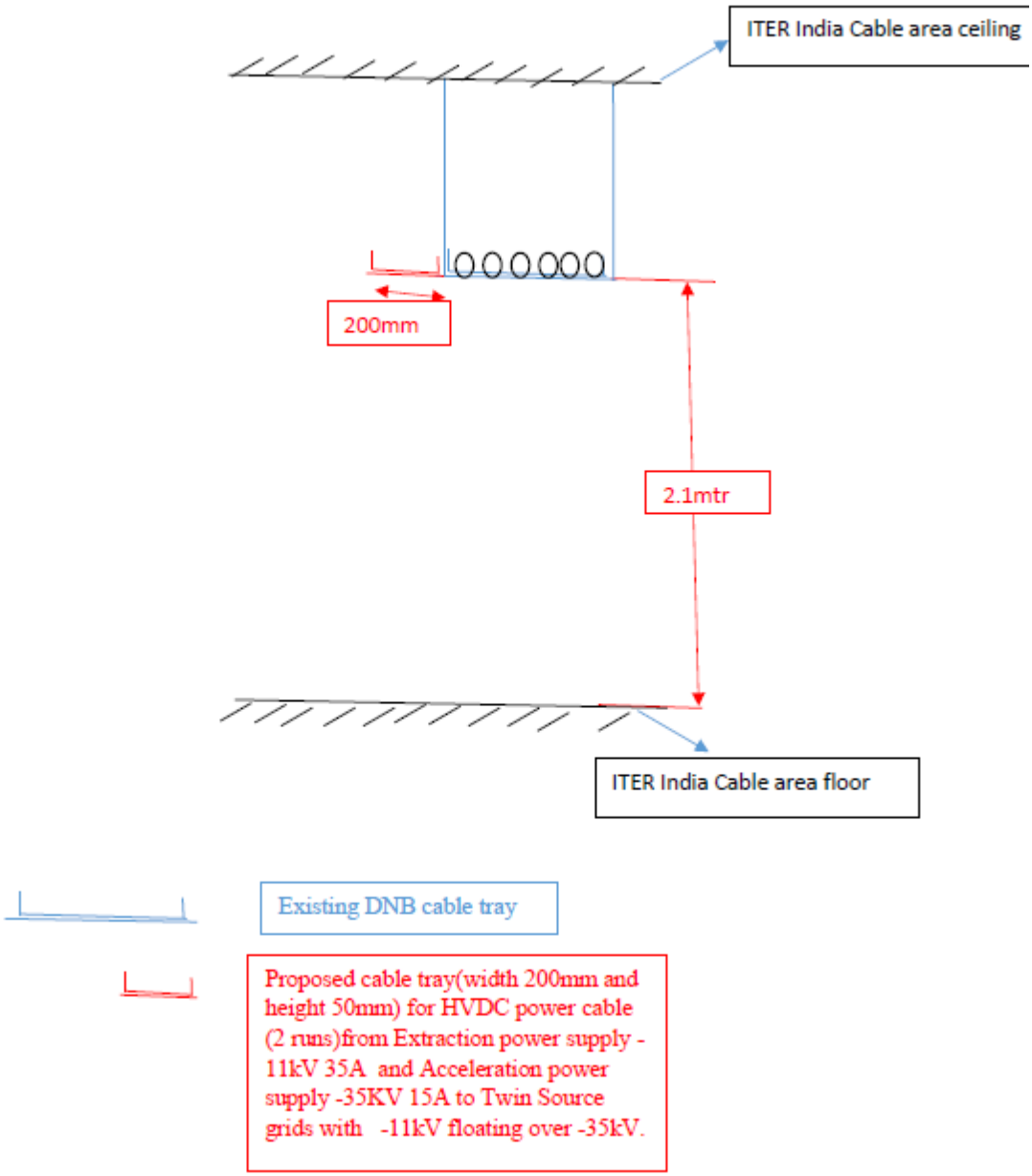

Fig 6: ITER India Cable area elevation. Cable tray that has to installed is marked in red and existing cable tray of DNB in blue.

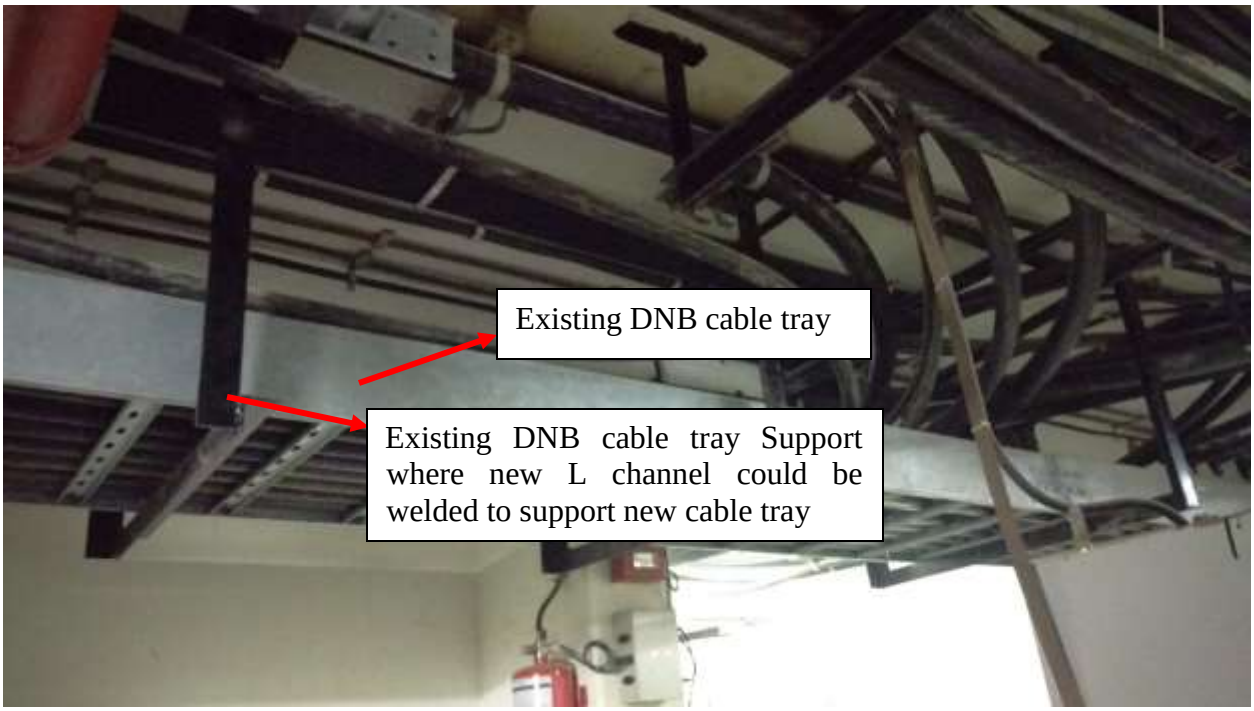

Fig 7: Existing DNB cable tray inside cable area ITER India Building

4. General Terms and Conditions:

i. Ensuring non-damage of pre-installed RCC structures, electrical cables and pre-installed facilities during cable laying work. All the items necessary for safe execution of work at about elevation mentioned in section 2 from ground level e.g. safety net beneath the structure in-order to avoid accidents of tools, structural elements etc. falling from height has to be arranged by vendor.

ii. The Contractor shall provide safe means of access to any working place including provisions of suitable and sufficient scaffolding at various stages during all operations of the work for the safety of his worker, and IPR. Contractor shall ensure deployment of appropriate equipment and appliances for adequate safety and health of the worker and protection of surrounding areas

iii. Contractor shall depute a qualified person/Supervisor having relevant experience for supervision of cable laying work. . Also there should single person interaction from contractor side with IPR/ITER –India representative for execution of this work.

iv. The contractor shall arrange all equipment and tools required for execution, testing & completion of the job eg climbing arrangement at works height, jigs and fixtures, etc.

v. During all kind of operational work (hot, cold, machine etc), relevant safety precaution has to be taken by contractor and his staff to prevent any un-wanted incidents. Also contractor should obey IPR safety rules/norms and guide line during site work. Non-Conformance on SHE by Contractor (including his Sub-contractors) as brought out during review/audit by IPR/ITER-India representatives shall be resolved forthwith by Contractor. Compliance report shall be provided to IPR/ ITER-India .Contractor shall arrange supervision for cable laying activity. Also contractor shall obey IPR safety rules/norms during site work. Contractor shall intimate IPR Safety officer prior to the commencement of work and regularly intimate the Safety officer during the execution of work. The contractor has to take necessary precaution for the safe transportation of the material. The Contractor shall ensure that all their staff and workers including their sub-contractor(s) shall wear Safety Helmet and Safety shoes. Contractor shall also ensure use of PPE's safety belt, protective goggles, gloves ,ladder etc. by the personnel as per job requirements. All these gadgets shall conform to relevant IS specifications or equivalent and shall be provided by contractor. In case of any accident IPR/ITER-India shall not be responsible.

vi. All fatal accidents and other personnel accidents shall be investigated by a nominated safety committee/authority of IPR/ITER-India, for root cause & recommend corrective and preventive actions shall be taken. Findings shall be documented and suitable actions taken to avoid recurrences shall be communicated to vendor.

vii. Quotation / offer for partial work will not be acceptable and therefore vendor should quote for the complete work as per the specifications Bidders shall fill the Annexure A & B at the time of submitting quotation

viii. Unloading, loading, freight, transportation shall be under the scope of supplier.

ix. Bidders shall submit the final amount including all the applicable tax at the time of quotation

x. Minor modifications in routing shall be borne by vendor at no extra cost as per present physical condition. The cost of any damage to existing structure en route must be borne by vendor at no extra cost.

5. List of items provided by IPR as FIM at the time of execution of work.

i. Cables as mentioned in Sr 2 section as per actual length
ii. GI cable tray appropriate size wherever required as per actual length
iii. PVC Conduit/cable tray appropriate size wherever required as per actual length

6. List of deliverables:

i. Cable laying as per the technical specification section 1.
ii. Installation of cable tray as per technical specification section 1

iii. Installation of PVC conduit pipe/cable tray as per technical specification section 1

7. Delivery/Execution time:

4weeks from date of issue of PO

8 . Site Address:

DNB Lab Building, ITER India Building, Institute for Plasma Research, Near Indira Bridge and Mother Dairy, Bhat , Gandhinagar 382428 , Gujarat

Annexure A

Sr no	Particular	IPR requirement	Vendor Response Do you agree with IPR requirement(Yes/ No)
1	Cable laying 25 Sq mm Single core PE copper sheath cable unarmoured	Cable layin laying 25 Sq mm Single core PE copper sheath cable inclusive of necessary fixtures, clips n drilling work as per scope of work section 1 of technical specification cable laying.	
2	Cable laying 16 Sq mm Single core PE Copper sheath cable unarmoured	Cable laying 16 Sq mm Single core PE Copper sheath cable inclusive of necessary fixtures, clips n drilling work as per scope of work section 1 of technical specification cable laying.	
3	Cable laying 50 sq mm flexible ground cable unarmoured	Cable laying 50 sq mm flexible ground cable inclusive of necessary fixtures, clips n drilling work as per scope of work section 1 of technical specification cable laying.	
4	Cable laying Control cable unarmoured	Cable laying Control cable inclusive of necessary fixtures, clips n drilling work as per scope of work section 1 of technical specification cable laying.	
5	Cable tray installation	Cable tray installation ,cable tray is FIM as per scope of work section 1 of technical specification cable laying	
6	PVC Conduit/ Cable tray Installation	PVC Conduit /cable tray Installation as per scope of work section 1 of technical specification cable laying, PVC/cable tray conduit is FIM	
7	Sr No:1	Scope of work	
8	Sr No:4	General terms and condition	
9	Sr No:6	List of deliverable	
10	Sr No:7	Delivery period	

Annexure B:
Price bid Format

Sr no	Cable	Work	No of runs	Quantity*	Rate	Value
1	25 Sq mm Single core PE copper sheath cable	Cable laying inclusive of necessary fixtures, clips n drilling work	1	150mtr		
2	16 Sq mm Single core PE Copper sheath cable	Cable laying inclusive of necessary fixtures, clips n drilling work	1	150mtr		
3	50 sq mm flexible ground cable	Cable laying inclusive of necessary fixtures, clips n drilling work	2	150mtr		
4	Control cable	Cable laying inclusive of necessary fixtures, clips n drilling work	2	150mtr		
5	Cable tray installation charges		1	29mtr		
6	PVC Conduit/Cable tray Installation charges		1	10mtr		

*The quantity mentioned is approximate. Payment will be made on actual .