



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY  
DESIGN AND MANUFACTURING KANCHEEPURAM**  
(An Institute of National Importance under MoE, Government of India)  
Melakkottaiyur, Off Vandalur-Kelambakkam Road,  
Chennai – 600 127, Tamil Nadu.  
Phone: 044 2747 6322/6324; Email: estate@iiitdm.ac.in

**NOTICE INVITING TENDER (E-PROCUREMENT MODE)**

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Indian Institute of Information Technology, Design and Manufacturing (IIITD&M) Kancheepuram invites **e-tender under TWO BIDS** with prequalification systems from the vendors who fulfils the eligibility as given below in the campus.

Sl. No.	Particulars	Quantity Required
1	Design, construction & SITC of 8 layer synthetic flooring for 2 nos of volley ball courts by providing suitable lighting along with pole erection, cable laying, al-round fencing and allied works etc., as required.	As per Annexure-3

The tender document may be downloaded from the website <http://iiitdm.ac.in> or <https://mhrd.euniwizarde.com>.

The offers, in the prescribed format shall be submitted online at <https://mhrd.euniwizarde.com> as per the tender document. No tender will be accepted in hard copy, fax, email or any other such means. The intending, bidders must be registered with eWizard procurement <https://mhrd.euniwizarde.com>.

a) Tender Number /Date	IIITDM/19/2022-23/Engg/Volleyball/011; Dt: 30 <sup>th</sup> Dec, 2022
b) Pre-bid meeting / Site visit	06 <sup>th</sup> January, 2023; 11:00 Hrs.
c) Bid Submission	20 <sup>th</sup> January, 2023; 10:00 Hrs.
d) Technical Bid Opening	20 <sup>th</sup> January, 2023; 10:30 Hrs.
e) EMD	Bid declaration form duly typed in letter head of the bidder must be enclosed (Annexure – 1).
f) Security Deposit / Performance Guarantee	Successful Bidder shall submit the Security Deposit at 3% of Contract value.
g) Total Estimated cost	<b>Rs. 32,00,000/- (Excl. GST)</b>
a) Civil	Rs. 27,60,000/- (Excl. GST)
b) Electrical	Rs. 5,30,000/- (Excl. GST)

## **TERMS & CONDITIONS GOVERNING THE CONTRACT**

**1. Eligibility Criteria:** In order to be considered for the contract of the works as detailed under 'Techno-Commercial Bid' in this Tender Document the tenderer should:

1.1 "Having Similar works execution experience preferably awarded by the State Govt./Central Govt./Autonomous/Reputed corporate institutions, for the value enlisted below and executed on or after 01/01/2018.

- (i) Rs. 25.60 lakhs Excl. GST for a single work order  
(Or)
- (ii) Rs. 16.00 lakhs Excl. GST each for two work orders  
(Or)
- (iii) Rs. 12.80 lakhs Excl. GST each for three work orders.

1.2 Produce the valid work completion certificate(s) from the above mentioned works.

1.3 Have registered corporate or works office at anywhere in India and shall upload the valid proof in this regard.

### **2. Earnest Money Deposit/Bid Declaration Form:**

Instead of EMD, Bidders are to execute a Bid declaration form accepting that if they withdraw or modify their Bids during the period of validity or if they fail to execute the awarded work as per the work order/contract they will be debarred for the period of one year for bidding for any tender of the institute. Further, the debarment will be intimated to all Institute of Government of India/ Governmental organizations for bidding by the firm for any tender (**Declaration enclosed in Annexure-1**).

### **3. Security Deposit & Contract Agreement:**

3.1 On receipt of notification of award, successful bidder shall be required to send the acceptance of work order and shall also submit the Security Deposit of 3% of Contract value in the form of a Crossed Demand Draft/Pay Order/Banker's cheque/FDR drawn/Bank guarantee in favor of "The Registrar, IIITDM Kancheepuram", payable at Chennai within 07 (SEVEN) working days of the receipt of Notification of Award (NOA) / Award of Work order from IIITDM Kancheepuram (the Defect Liability Period as specified (i.e., 12 months after completion of work).

3.2 The successful bidder shall be required to sign a detailed contract agreement & commence the work within a 07 working days from the date of acceptance of work order.

3.3 In case of failure to commence the work by the Contractor within 07 days after signing of the contract or handover of site, the Institute shall be at the liberty to terminate the Award and forfeit the Security Deposit.

### **4. Preparation of bids - Two bid system (simultaneous receipt of separate technical and financial bids):**

**4.1 Technical bid** shall consist of only prequalification document along with supported documents as detailed below:

4.1.1 Complete prequalification papers, Name of the Agency and also commercial terms etc., offered (**Note: Price column in this cover should be kept blank**).

- 4.1.2 Duly filled and digitally signed Bid submission, bid declaration & self-declaration Proforma (**As per Annexure – 1**).
- 4.1.3 Duly filled and digitally signed copy of Qualification Proforma along with a copy of valid work completion certificate(s) & valid proof for corporate/works office at anywhere in India as per the eligibility criteria referred in clause no. 1
- 4.2 Financial bid** indicating item-wise price for the items mentioned in the technical bid, special concession in rates if any applicable for Educational Institutions shall also be offered and indicated clearly.
- 4.3 Both the covers should be submitted through online eWizard portal <https://mhrd.euniwizarde.com> before due date and time.**

## **5. Technical terms:**

- 5.1 The selected contractor will have to carry out design, construction, supply, installation, testing and commissioning of 8-layer synthetic flooring for ‘2’ no’s of volley ball courts by providing suitable lighting along with pole erection, cable laying, all-round fencing and allied works etc., as required, which have been listed under the ‘Techno-Commercial Bid’ of this tender document. He shall be under obligation to carry out all of the works stipulated in the contract.
- 5.2 The material to be used by the Contractor should be conforming to reputed brands or ISI marks. Samples of all materials / fixtures as specified in ‘Techno-Commercial Bid’ shall be got approved before their use by the Contractor. Catalogues / Brochures are also to be brought by the Contractor along with samples wherever required.
- 5.3 Some of the volley ball court construction considerations as follows:
- 5.3.1 Sub base construction should include necessary slope as per the actual site requirements.
- 5.3.2 Each layer of the sub base surface should be free from rubbish, debris. The Final Layer Asphalt layer should be cured properly for minimum days in order to attain proper strength.
- 5.3.3 Contractor shall be required to produce manufacturers ‘test certificates’ for the particular batch of materials/ products supplied to him. The tests carried out shall be as per relevant Indian Standards and shall be carried out at approved test houses specified by the Institute.
- 5.3.4 The International Tennis Federation (ITF) and other required certified materials should be used for constructing synthetic volleyball flooring and as per the specifications given in the Bill of quantities. Each layer should meet the required consumption ratio mention in the Bill of Quantities.
- 5.3.5 The Synthetic Tennis flooring layer should not be installed while raining as it causes bubbles.
- 5.3.6 All installations shall be tested as specified, in the presence of the Institute’s Engineer-In-Charge. The Contractor shall provide all labour, equipment, and materials etc., required for the performance of the tests.
- 5.3.7 The contractor shall duly submit a detailed methodology statement for the work in accordance to the materials/brands being used in the work.

- 5.4 Some of the instructions shall follow while erection of lighting poles, cable and lighting at Volley ball courts as follows:
- 5.4.1 Prior to the execution of work, the design specification of poles and lighting along with the engineering sketch shall be submitted to the Institute's Engineering-in-charge and get the approval.
  - 5.4.2 The design and installation of volley ball court lighting shall be strictly adhering to the guidelines of International Volleyball Federation (FIVB) & Sports Authority of India (SAI).
  - 5.4.3 The lighting illumination on the playing area, free zone & free playing space shall be as per SAI standards.
  - 5.4.4 After the execution of work, the luminous flux on surface level shall be checked with the lux meter and the report shall be submitted to Engineer-in-charge of the Institute.
  - 5.4.5 The installed lights should be free from glare and uniformity of lighting is allowed to vary with in the range of 0.5 to 0.8. The fittings and SMC boxes installed shall have Ingress protection of IP65.
  - 5.4.6 The pole earthing shall be carried out in accordance with the CPWD prescribed standards.
  - 5.4.7 The installation of pole and pole bracket shall with stand the weight of the fittings and wind & allied forces affect.
  - 5.4.8 All the products used in this work shall comply with IS standards, catalogue & warranty for the fittings shall be submitted to the Engineer-in-charge of the Institute.
- 5.5 The work shall be carried out as per the relevant CPWD general specifications & works manuals for civil and electrical works & Indian Electricity rules 1956 as amended up to date.
- 5.6 IIITDM Kancheepuram has Power to issue instructions etc., IIITDM Kancheepuram may in its absolute discretion & from time to time issue further Drawings if any, &/or written instructions, detailed directions & explanations in regard to:
- 5.6.1 Minor addition, reduction, omission or substitution of any work included in the Contract.
  - 5.6.2 Minor variation or modification of the design, quality, character of any work.
  - 5.6.3 Minor variation in the dimensions of any part of the works.
  - 5.6.4 Minor discrepancy in the Drawings if any, or between the Bill of Quantities and / or Specification.
  - 5.6.5 The removal from the site of any material brought thereon by the Contractor & the substitution of any other material.
  - 5.6.6 The dismissal from the works of any person employed there-upon by the Contractor to carry out the work under the provisions of this Contract and its replacement by another suitable person within a given time frame at no additional cost to IIITDM Kancheepuram.
  - 5.6.7 The opening up of or inspection of any work covered up, all other instructions issued to him covering other aspects of the Contract.

- 5.6.8 Bare joints in cables are not allowed. Under extra ordinary conditions Terminal blocks/Joint kits with required safety measures must be used instead of joints without any additional cost.
- 5.6.9 During the execution any wall/flooring/table cutting and finishing & making good also to be carried out without any additional cost.
- 5.7 The requirements given in the ‘Techno-commercial bid’ are only indicative and not exhaustive. Contractor shall be required to complete the project. The decision of IIITDM Kancheepuram authorities in this regard shall be final and binding on the Contractor.
- 5.8 Engineer-in-charge or any other representative/official deputed by the IIITDM Kancheepuram shall have the right to inspect or to test the materials to establish their conformity to the ordered specifications. The Contractor shall provide all reasonable facilities and assistance to such representative without any charges to the IIITDM Kancheepuram in this regard. Further, IIITDM Kancheepuram may direct the Contractor to get any/all materials/samples tested from specified organization(s) for conforming to the tendered specifications at the cost of the Contractor. In case, any inspected or tested material fails to conform to the ordered specifications, or workman ship is found to be unsatisfactory, IIITDM Kancheepuram may reject them and Contractor shall either replace the rejected material or make alternative arrangements necessary to meet the stipulated specifications and rectify the defects pointed out in the workman ship, at no additional cost to IIITDM Kancheepuram.
- 5.9 Work shall be executed and completed as per the technical terms and conditions of this document. In case the Contractor fails to complete the assigned work within specified Period, IIITDM Kancheepuram may recover Liquidated Damage and/or terminate the Contract and/or forfeit the Security Deposit. IIITDM Kancheepuram on its part would be required to handover the site to the Contractor free from any encumbrance.

## **6. Commercial terms:**

- 6.1 The work shall be executed and completed within **60 working days** from the date of Commencement of the Work. In case the Contractor fails to complete the assigned work within specified Work Completion Period, IIITDM Kancheepuram may recover Liquidated Damage and/or terminate the Contract and/or forfeit the Security Deposit. IIITDM Kancheepuram on its part would be required to handover the site to the Contractor free from any encumbrance.
- 6.2 Item Rates quoted on the ‘Techno-Commercial Bid” by the bidder shall be valid and constant during the entire period of contract and will not be subject to any variation on any account whatsoever.
- 6.3 Measurements of all items having financial value shall be recorded in Measurement books so that a complete record is obtained of all works performed under the contract. Measurements shall be taken jointly by the IIITDM Kancheepuram official designated for the purpose and the Contractor.
- 6.4 Payment of bills shall be made against supply, acceptance and after verification of the bill by the Institute after deduction of taxes and TDS as per applicable rules. Running account bill/Final bill shall be submitted by the contractor after execution of work and completion certificate shall be furnished by the Institute after completion of work in full. Payment to be made only for the work actually done.
- 6.5 The Contractor shall take at his own cost, necessary insurance cover in respect of staff and other personnel to be employed or engaged by him in connection with the afore mentioned services personnel by services to be rendered.

- 6.6 Statuary deductions of taxes at source will be carried out from the payment due at the prevalent rates as prescribed by the government.

**7. Other conditions:**

- 7.1 The institute reserves the right to reject any or all the bids without assigning any reasons thereof. No tenderer shall have any cause of action or claim against IIITDM Kancheepuram for rejection of his bid.
- 7.2 The IIITDM, Kancheepuram is having a right to cancel the awarded work at any point of time in case of the contractor's performance is not up to the mark by giving termination letter.
- 7.3 The tender document is not transferable and Conditional Tenders / Non-compliance of any of the conditions set in tender document shall render the bid liable for rejection.
- 7.4 IIITDM Kancheepuram reserves the right to seek any clarification from the bidders or waive any minor deviation in the provisions governing the contract at its sole discretion.
- 8 Further, refer & comply with the in detail “**Tender general terms and conditions**” available at IIITDM > FORMS > ENGINEERING SECTION > TENDER GENERAL TERMS AND CONDITIONS” enclosed in the mentioned web link. These conditions are part and parcel of contract agreement.  
[http://www.iiitdm.ac.in/img/intranet\\_forms/ENGINEERING\\_SECTION/tnc.pdf](http://www.iiitdm.ac.in/img/intranet_forms/ENGINEERING_SECTION/tnc.pdf)

Sd/-  
Registrar  
IIITDM Kancheepuram

**BID SUBMISSION, BID DECLARATION & SELF DECLARATION PROFORMA**

**Name of the Work/AMC:** Design, construction & SITC of 8-layer synthetic flooring for ‘2’ no’s of volley ball courts by providing suitable lighting along with pole erection, cable laying, al-round fencing and allied works etc., as required – Reg.

**Tender No.:** IIITDM/19/2022-23/Engg/Volleyball/011; **Dt:** 30<sup>th</sup> Dec, 2022

The Registrar,  
IIITDM Kancheepuram,  
Chennai 600127.

Dear Sir,

- 1.1 I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Autonomous Body etc., at anywhere in the country.
- 1.2 I/We hereby bid for the tender and agree that if we withdraw or modify our Bids either during the period of validity of bid or fail to execute the contract in line with the purchase order/contract, our firm will be debarred for the period of one year for further bidding of any tender of your institute. Further, we agree that your institute is at liberty to intimate this debarment to all Institutes/ organizations of government and governmental organizations.
- 1.3 I/We hereby offer to quote for work as defined in ‘Techno-Commercial Bid’ and the relevant Annexures at the quoted price given in the ‘Techno-Commercial Bid’ Proforma as per Annexure-3 and agree to hold this offer open till 03 months from the due date.
- 1.4 I/We have read, understood and comply with all Terms and Conditions stipulated in the Tender document necessary for submission of this bid.
- 1.5 It is further stated that I/We have fully read and understood the ‘Techno-Commercial Bid’ and Terms and Conditions in the Tender Document governing this contract and shall abide by them in toto, if awarded the Contract.

Date:

Yours faithfully,  
Digital Signature

***Note: This form duly typed on the letterhead of the bidder and duly signed should be uploaded forming Annexure-1 of this Bid document.***

**QUALIFICATION PROFORMA**

Name of the work:	Design, construction & SITC of 8-layer synthetic flooring for '2' no's of volley ball courts by providing suitable lighting along with pole erection, cable laying, al-round fencing and allied works etc., as required.
Tender No.:	IIITDM/19/2022-23/Engg/Volleyball/011; <b>Dt: 30<sup>th</sup> Dec, 2022</b>
Name of the bidder (Firm):	
Contact details of the bidder: Registered corporate/ works office Address:	
<b>(Please enclose the copy of valid proof)</b>	
Mobile:	
Email Id:	
GST No.: <b>(Please enclose the copy of GST)</b>	
PAN No.:	
Bid Submission, Bid & Self declaration Proforma: <b>(Please enclose the annexure-1)</b>	
Experience: Details of similar works execution experience preferably awarded by the State Govt./Central Govt./Autonomous / Reputed corporate institutions/ organizations for a value not less than Rs. 25.60 lakhs (Excl. GST) for a single work order (or) Rs. 16.00 lakh (Excl. GST) each for two work order (or) Rs. 12.80 lakh (Excl. GST) each for three work order should be awarded and executed on or after 01.01.2018. <b>(Please enclose the copy of valid work completion certificate(s))</b>	
Details of Manpower availability: (Number with their qualification & experience): (Add separate sheet if required)	

**Declaration:**

I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in NIT.

Digital Signature

**TECHNO-COMMERCIAL BID**

<b>Tender No.:</b>		IIITDM/19/2022-23/Engg/Volleyball/011; Dt: 30 <sup>th</sup> Dec, 2022			
<b>Name of work:</b>		Design, construction & SITC of 8-layer synthetic flooring for '2' no's of volley ball courts by providing suitable lighting along with pole erection, cable laying, all-round fencing and allied works etc., as required.			
<b>Name of the Bidder:</b>					
<b>S. No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate in Rs.</b>	<b>Amount in Rs.</b>
<b>CIVIL</b>					
1	<b>Asphalt Base Preparation</b>				
	<b>Earth work excavation:</b>				
(i)	Earthwork excavation of depth 150mm. This includes combining and removal of grass weeds. The slope to be created as per the directions of the Engineer-in-charge				
(ii)	<b>Anti-terminate Treatment</b>				
	Weedicide Treatment of Entire Area to make Land infertile, this will be done by spraying diluted chemical mixed with water. With Chlorpyrifos/Lindane E.C. 20% with 1% concentration				
(iii)	<b>Sub base and base preparation</b>				
	Construction of wet mix macadam sub base to the depth of 100mm using stone aggregates of size 40 to 60mm. layer should be properly compacted. Cleaning of Sub base before starting Asphaltting Layers. Tack/Primer Coat to be applied before both BM & AC Layers. Tack Coat layer should be at rate of 3kg Per 10 Sq. Meter Construction of Bituminous macadam of 30 mm thickness using 12mm size aggregates Stone with 80-100 Grade Bitumen. Bituminous binder percentage upto3.5%. Constructing and compacting a Layer of AC of unto 20 mm Thickness using 6mm Stone with 80-100 Grade Bitumen. Bituminous binder percentage upto3.5% .Final Layer of Seal Coat using Stone Dust with Bitumen to make the surface appropriate for Synthetic Installation				
(iv)	<b>Construction of Toe wall around the sports flooring and open saucer drain</b>				
	The toe wall should be of brick masonry provided along the perimeter of the court. toe wall shall be 230mm wide and height above the ground level shall be 300mm and below the ground level of 150mm to be provided over the entire area. The surface should be plastered and painted.				

	Providing and laying of open saucer drain 23 cm wide at the lower end with 80mm thick base concrete 1:5:10 and 50 mm thick cement concrete 1:2:4 including plastering with cement mortar 1:3 and neat punning. The slope should be provided as per site conditions for both ground etc., complete as required.				
	<b>Total</b>	896	Sqm		
2	Supply and installation of ITF certified 8 layers' acrylic system with thickness up to 3mm. The flooring should be certified by International Tennis Federation (ITF) and should have application as first layer of primer (100% acrylic latex based emulsion to improve bond of acrylic court system to the asphalt surface having consumption ratio of 0.014 kg/sq. ft.), second layer of acrylic Resurface (Filling and smoothing asphalt or concrete surfaces in preparation for Acrylic tennis court system. It should also fill the surface chips, voids and conceals repairs while providing a smooth surface for colour coating. It should have a consumption ratio of 0.046kg/sq. ft.), Third, Fourth & Fifth layer of Uni rubber liquid cushion layers at a consumption ratio of 0.10 kgs per sq. ft. altogether, Sixth & Seventh layer of Pre-coat (Quartz filled % 100 acrylic latex based textured tennis topcoat with consumption ratio of 0.078 kg/sq. ft.) and Eighth layer of Topcoat (100% acrylic latex polymer & colour coat for the finished surface to protect from UV). It should have consumption ratio of 0.023 kg/sq. ft.) on top of these 8 layers, the line marking should be done with Over line paint (100 % acrylic latex based high hiding line paints. It should have consumption ratio of 4 kg/court). The acrylic resurface must have silica sand infill to be embedded into it with consumption ratio of 0.065 kg/sq. ft. The product must be approved by the respective International Sports Federation and used at the Indian/International championships recognized by the respective Regional/International Sports federation.	896	Sqm		
3	<b>Chain Mesh with painting:</b> M.S Square poles of size 50 x 50 x 3mm should be erected vertically such that 2 feet of section embedded in cement concrete block of size 600 x 600 x 600 mm below the ground level and remaining 10 feet should be erected and fixed above the ground level at 10 feet apart. Three horizontal square pipes of same size should be placed between the two vertical square section. The rate also includes necessary hardware accessories such as bolts, nuts etc., G.I Chain link fencing made of G.I Wire of dia 4mm should be fixed with required width in mesh size 50 x 50 mm including strengthening with 2mm dia wire or nuts, bolts, washers, doors, primer and painting etc., as required to complete the work. The measurement will be taken above the ground level fencing.	380	sqm		

4	Providing and fixing of Volleyball poles with height adjustable for juniors, men or women. Constructed with 3" hinges pipe epoxy painted comprising a special internal ratchet system with garage tournament net quality etc., to complete.	2	pairs		
<b>Subtotal – 1 in Rs. (Excl. GST)</b>					
<b>Electrical</b>					
5	Fabrication & SITC of 9 Mtrs long GI type tubular pole & GI bracket with necessary size coupler / clamp to accommodate 4 no's of LED fittings as required on top of the pole including making of hole for cable entry, welding, bolts, nuts and accessories etc., made of MS steel ISI marked having necessary sections of suitable dia and base plate for the pole as per manufactures design is sufficient to withstand the fitting & other accessories load, applying one coat of zinc chromate primer and two coats of aluminium paint & earthing stud etc., complete as required <b>Pole Make: Crompton/ Philips/ Bajaj/ Wipro</b>	4	No's		
6	Fabrication & SITC of 9 Mtrs long GI type tubular pole & GI bracket with necessary size coupler / clamp to accommodate 8 nos of LED fittings as required on top of the pole made of MS steel ISI marked having necessary sections of suitable dia and base plate for the pole as per manufactures design is sufficient to withstand the fittings and other accessories load, applying one coat of zinc chromate primer and two coats of aluminium paint & earthing stud etc., complete as required. <b>Pole Make: Crompton/ Philips/ Bajaj/ Wipro</b>	2	No's		
7	Erection of 9 Mtrs steel tubular pole in 53 grade cement concrete 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate of 20 mm nominal size) (minimum of 2 feet * 2 feet square type foundation) including centring, shuttering and finishing etc., with necessary threaded support steel structure in cement concrete with bolt & nuts, excavation and refilling etc., as required. The excavation cum cement concrete shall cover a minimum depth of 1.5 meters and above the surface level 0.5 meters as required to support the entire pole set. <b>ISI Marked</b>				
	a) Above 8 metre and up to 10 metre	6	No's		
8	Supplying and embedding 50 mm dia G.I. pipe (medium class) in pole collar / foundation (during casting) for cable entry including bending the pipe to the required shape complete as required <b>GI Make: Sail/ Tata/ Jindal</b>	16	No's		
9	Supply, installation, testing and commissioning of minimum of 100 watts suitable LED flood light/high mast light (Luminous efficiency >100 Lm/Watt) fitting suitable for operation on 1 phase, 230 V +/-15%, 50 Hz, AC supply made up of pressure die cast aluminium powder coated housing, heat resistant, proper heat dissipated, toughened glass and IP 66 protection	32	No's		

	suitable for fixing on the GI bracket as required, anti-glare lighting of uniformity of 0.5 to 0.8 and minimum lux of 500 on ground surface shall be maintained. <b>Make: Philips/Crompton/Bajaj/Wipro</b>				
10	Providing and fixing of SMC street light cable looping box of size of minimum 155 mm x 210 mm x 92 mm with ISI marked & minimum IP65 rated suitable for outdoor usage, with hinged cover in front on the existing street light pole/wall, providing 3 mm thick phenolic laminated sheet of suitable size and din channel with 10 Amps 'C' curve SPN (2P) MCB & required 4 way SMC connectors and providing required earthing strip wire etc., as required <b>SMC box Make: Hensel/ Sintex/ Devi polymer MCB Make: Legrand/ Siemens /Havells /ABB Connector/ TB make: Hensel/ L&amp;T/ Sintex</b>	8	Set		
11	Providing and fixing of SMC street light cable looping box of size of minimum 155 mm x 210 mm x 92 mm with ISI marked & minimum IP65 rated suitable for outdoor usage, with hinged cover in front on the existing street light pole/wall, providing 3 mm thick phenolic laminated sheet of suitable size and din channel with 32 Amps 'C' curve TPN (4P) MCB & suitable 4 way SMC connectors and providing required earthing strip wire etc., as required. <b>SMC Box Make: Hensel/ Sintex/Devi polymer MCB Make: Legrand/ Siemens/ Havells/ ABB Connector/ TB make: Hensel/L&amp;T/Sintex</b>	2	Set		
12	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc., conforming to IS 14930, Part II complete with fitting and cutting, jointing etc., direct in ground (75 cm below ground level) including excavation and refilling the trench etc., complete as required.				
	a) 63/51 mm (outer/inner dia)	350	Mtrs		
13	Supply of ISI Marked Cross linked polyethylene (XLPE) insulated, PVC outer sheathed with galvanized round steel wire or steel strip cables with aluminium conductor suitable for UG having rated voltage of 1100 volts grade and conforming to IS 7098 (Part-1) 1998 with up to date amendments and of the following sizes. <b>Make: Finolex/ Polycab/ RR kabel/ Havells</b>				
	a) 4C x 25 sq. mm	350	Mtrs		
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/DWC HDPE pipe as required.				
	a) Up to 35 sq. mm	350	Mtrs		
15	Supplying and making end termination with brass compression gland ISI marked and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. <b>ISI marked</b>				
	a) 4C x 25 sq. mm (28 mm)	20	No's		

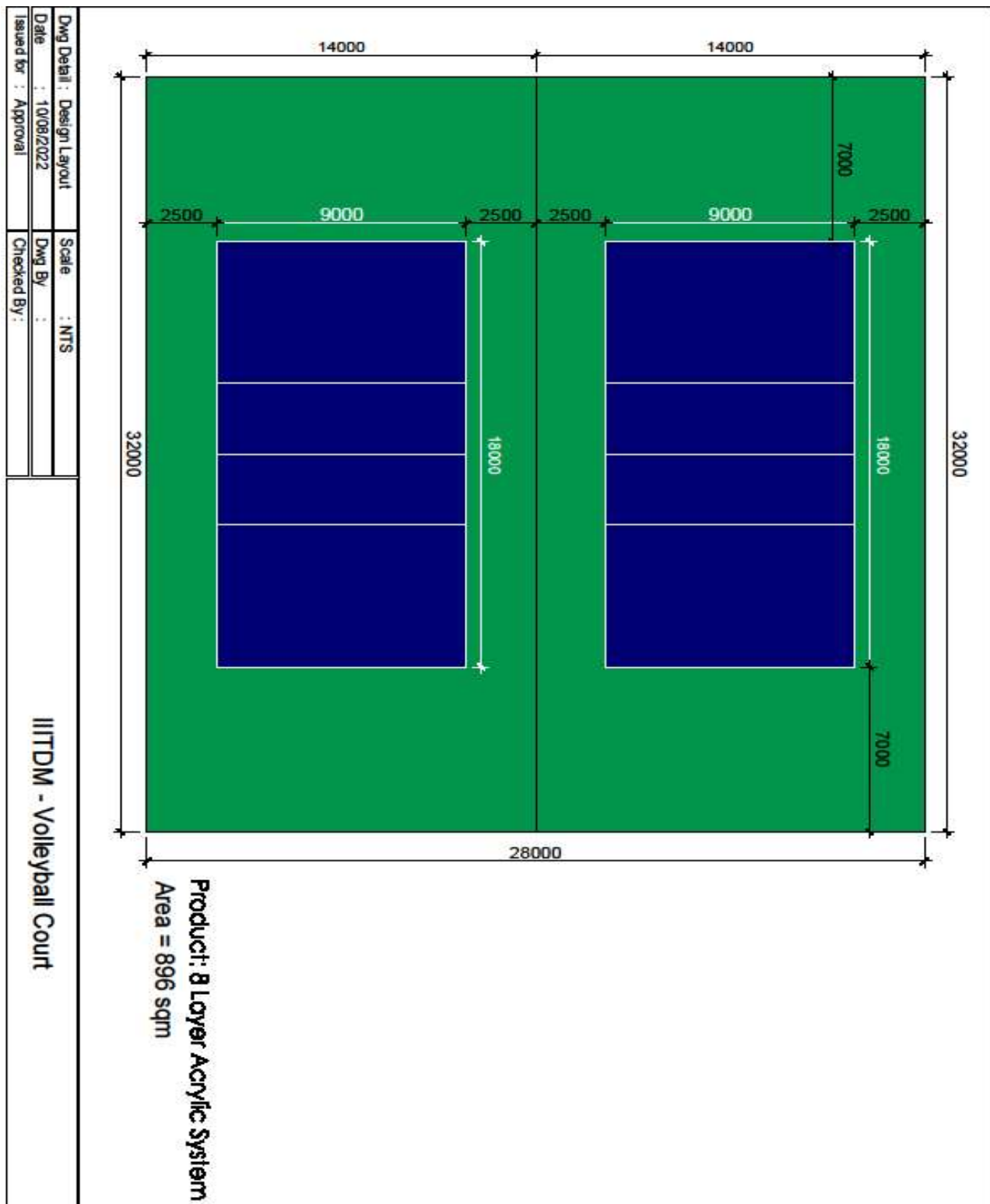
16	Supply, drawing, termination and testing of following sizes of FRLSH, PVC insulated multistranded copper cable should be in line with the incoming phase colour, 1.1KV grade in existing surface / recess / PVC conduits/ pipe, including floor/metal cutting & finishing by placing of all the accessories & lugs as per the requirement complete etc., <b>Make: Finolex/ Polycab/ RR kabel/ Havells</b>				
	a) 1 Run * 3C * 4 sq. mm (Phase, Neutral & Earth)	184	Mtrs		
17	SITC of 1 no. of 4 pole (TPN) * 32 A, 'C' Curve MCB, 4 no's of 1 pole 16A SP 'C' Curve MCB, 1 no. of 32A, 3 pole contactor & add on block, digital timer, Red & black push button indicators, NO & NC elements and required internal wiring, lugs, connectors, selector switch & suitable earthing in the existing DB as required. <b>Make: Legrand/ Siemens/ Havells/ ABB</b>	1	Set		
18	Providing earthing by digging and laying of G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required as per CPWD electrical specifications.	1	set		
19	Providing and fixing 25 mm * 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required as per CPWD electrical specifications..	5	Mtrs		
20	Providing and fixing 6 SWG dia G.I. wire ISI marked on surface or in recess for loop earthing as required as per CPWD electrical specifications..	150	Mtrs		
<b>Subtotal – 2 in Rs. (Excl. GST)</b>					
<b>Total Amount in Rs. (1+2) Excl. GST</b>					
<b>Total Amount in words (Rupees)</b>					

**Note: Total Amount will be taken into consideration for arriving at L-1.**

- **GST & Taxes will be paid extra as applicable.**
- **Site visit is compulsory.**

**Declaration:** I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in NIT.

Digital Signature



\*\*The drawing is sample in nature, the bidder may propose the suitable design as per the norms, tender terms & conditions, site condition & shall get the approval from Engineering In-Charge of the institute before execution of work.

Digital Signature