

JHARKHAND STATE CRICKET ASSOCIATION

INTERNATIONAL STADIUM COMPLEX,
H.E.C. CAMPUS, DHURWA, RANCHI- 834004.

NOTICE INVITING TENDER (NIT)

Jharkhand State Cricket Association (JSCA) invites offer from reputed and experienced contractor for “ Renovation and interior works of office building in Keenan Stadium Complex, Jamshedpur. The details of the tender are given below.

S. No.	Items	Details
1	Tender Notice Number and date	JSCA/RNC/169/580/2021-22 Dated: 27-11-2021
2	Name of work	<i>Renovation including interior works of Office building of Jharkhand State Cricket Association in the premises of Keenan Stadium Jamshedpur</i>
3	Tender Processing Fee	Rs.10,000/-
4	Earnest Money Deposit (EMD)	Rs.1,00,000 (Rupees One lakh only)
5	Pre bid meeting at site	5-12-2021 at 11.00 AM
6	Last date and time of receipt of tender	8-12-2021 till 12:00 Noon
7	Place of submission & opening of Tender	The Office of CEO J.S.C.A. International Stadium Complex, H.E.C. Campus, Dhurwa, Ranchi - 834 004.
8	Time for completion of work	Seventy five (75) days
9	Validity of tender	Thirty (30) days from date of opening of price bid .
10	Email and telephone no. for any clarification	jscaranchi@gmail.com 0651-2402009

1. Tender should be submitted in a sealed cover with EMD and Tender Processing Fee (both payable separately) in the form of Demand Draft (D.D) in favour of Jharkhand State Cricket Association payable at Jamshedpur superscribing the name of work, Tender notice number, Due date of submission as indicated below:-
2. Tenders without EMD and Tender Processing Fee shall be summarily rejected.
3. The tenderer shall return the duly filled in tender document after affixing signature on all the pages of the Tender Documents along with technical bid.
4. Intending bidders should inform by 3-12-2021 for participation in pre bid . Queries if any should also be sent in advance by 3-12-2021
5. The tender document consists of the following:

i	Notice Inviting Tender (NIT)
ii	Instructions to Tenderer (ITT)
iii	Declaration by Bidder (Annexure-I)
iv	Check list (Annexure-II)
v	Conditions of Contract (CC)
vi	Specification of works
vii	Bill of Quantities

6. Bids should be submitted as follows:

Envelop No. 1 - Technical Bid+ Tender Processing Fee + Commercial bids + EMD (sealed)

Envelop No. 2 - Price bid (sealed)

Envelop No. 3 - Both Envelop 1 & Envelop 2 (Sealed)

For Jharkhand State Cricket Association



(Honorary Secretary).

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INSTRUCTIONS TO TENDERERS (ITT)

1. Sealed offers for the above said work is invited from vendors/ tenderers experienced in works of similar kind and magnitude.
2. Tenderers shall fill in blank spaces, if any in tender documents and also sign each and every page of the tender document including the drawings (wherever applicable).
3. Rates should be quoted in figures as well as in words in Indian Currency only – i.e., Rupees with reference to each item and for all the items shown in the schedule.

In the case the rate quoted in figures differ from those quoted in words, rate which corresponds to calculated amount shall be considered.

4. The rates shall be exclusive GST which shall be paid at actuals. Amount of each item and the grand total amount of the whole value shall be filled in by the tenderers. The figure, which corresponds to the calculated amount, shall be considered. All other expenses and taxes and duties shall be included in the price.
5. In quoting their rates, the tenderers are advised to take into account all factors including any fluctuations in market rates. No claim for enhancement of rates will be entertained on this account after acceptance of the tender or during the currency of the contract.
6. The rates to be quoted shall be firm during contract period and shall be inclusive of all applicable statutory levies arising from Central / State legislature and rules and regulations.

Any variation in the existing statute or by introduction of new Tax and duties applicable to the above work after the date of submission of price bid will be to the account of JSCA at actual against the documentary evidence.

7. Quantities shown in the attached schedule are only tentative and approximate and are liable for variation. The quantity variation within + 20% from the schedule will be paid at the quoted rates and the variation beyond + 20% of the quantity will be paid deriving market rate at the discretion of JSCA.
8. Before quoting, the tenderers are advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevailing conditions. The tenderers shall specially note that it is the tenderer's responsibility to provide any item, which is not specially mentioned in the specification or drawing, but which is necessary to complete the work.
9. The tender must be signed by the person holding the power of Attorney on behalf of the Company. A copy of the power of attorney duly attested by a Gazetted officer/ public notary must accompany the tender.
10. The Earnest money will be refunded to the unsuccessful tenderers after finalization of the award of work. In the case of successful tenderer, the earnest money will be retained as part of the Security Deposit for satisfactory completion of the work.

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11. The Earnest Money Deposit shall be submitted along with Commercial bid only and should be furnished in the form of Demand Draft drawn in favour of **Jharkhand State Cricket Association** payable at Jamshedpur.

12. JSCA reserves the right to reject any or all the tenders received or accept any tender without assigning any reason.

13. DOCUMENTS TO BE SUBMITTED

The contractors should submit the following testimonials with their tenders with the commercial part of the tender. These testimonials shall be signed by the person (s) issuing the same indicating their name, designation and full address.

- i) List of similar works executed by the company since last five years.
- ii) Copy of latest audited Profit & Loss Accounts and Balance sheet of last three years.
- iii) PAN number.
- iv) Name of Banker, address and Account Number.
- v) GST Registration Certificates.
- vi) PF & ESI Registration Certificate.

14. SECURITY DEPOSIT

Security Deposit shall be recovered at the rate of 10% from running bills.

15. TERMS OF PAYMENT

15.1. The Terms of payment will be :-

- (i). Two (2) RA bills.
- (ii). One (1) Final bill.

15.2. Security Deposit shall be released after one (01) year from issue of "work completion certificate" subject to repair of defects (if any) duly certified by Engineer-in-charge.

15.3. No mobilization advance shall be paid. No payment against procurement of materials.

16. EXTRA ITEMS/DEVIATED ITEMS

No extra items of work shall be carried out by the contractor other than those authorized to do so in writing by the Engineer. For any such items of work executed as per instructions of Engineer, the rates will be fixed on the basis of General conditions of contract (GCC) clause for 'Rate for Extra Item'.

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ELIGIBILITY CRITERIA

Name of work: Renovation including interior works of Office building of Jharkhand State Cricket Association in the premises of Kennan Stadium Jamshedpur

1. TECHNICAL ELIGIBILITY:-

1.1. Tenderer should have minimum 5 years experience in the field of Interior, Finishing work comprising of Flooring, Wall panelling, Wooden /Al partitions, Sanitary and Electrical works

i. Must have completed similar work of order value not less than **INR 100.00 Lakhs** during last seven years.

OR

ii. Two completed works of order value each not less than **INR 60.00 Lakhs** during last seven years

1.2. Documents to be submitted:-

Bidder shall submit notarized copy of the following's relevant documents:-

- i. Work order / contract along with B.O.Q.
- ii. Completion certificate of previous works issued by Client giving name address and contact telephone number of the issuing authority, value of work done, date of completion, etc.
- iii. They must have worked for a reputed organization/Govt dept
- iv. They must fulfill the following statutory requirements
 - PF registration
 - ESIC registration
 - Valid insurance
 - Must possess required tech manpower(List to be enclosed)

2. FINANCIAL ELIGIBILITY DOCUMENT:-

2.1. Tenderer should fulfil following Financial eligible criteria:

- i. The average annual financial turnover of the Tenderer during last five (5) financial years shall be at least **INR 2.00 Crores per year (Rupees two Crore) ending March, 2021.**(Documents to be submitted)
- ii. The Bidder shall submit a copy of Chartered Accountant's certificate in support of meeting the above stipulated financial requirements.

2.2. The Bidder shall submit Audited Annual Financial Reports as well as Profit & Loss statement for last 5 (five) consecutive financial years ending March, 2021.

2.3. Bids from consortium is not acceptable.

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3. DOCUMENT TO BE SUBMITTED:-

Copy of following Documents to be submitted by the tenderer:

A	PAN : Registration with Authority
B	ESI : Certificate of registration.
C	PF : Certificate of Registration.
D	GST : Registration with Authority

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ANNEXURE – I

DECLARATION BY TENDERER

(To be furnished on letterhead)

1. We hereby declare that our organisation have not been banned or delisted by any Government or Quasi Government agencies or Public Sector Undertakings/large and reputed organisation.
2. With reference to this tender, we are submitting our offer after having fully read and understood the nature of the work and Qualification Criteria. We confirm that if at any time, any of the declarations is found to be false, our offer or work order is liable to be rejected.
3. We hereby declare that there is **No Deviation** in the offer submitted by us. The Annexure (attached) is filled in and submitted along with the offer.
4. On award of above project Contract for the above Tender, we undertake to comply with all legal and statutory regulations with regard to PF, Minimum wages, EPS, ESI, Statutory taxes & duties, Legal notice etc. for work executed by us. We shall bear and pay the same keeping JSCA fully indemnified against the same in all respect for the above job under subject tender.

Signature of the Tenderer

Name :

Designation :

(Seal of the Company)

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ANNEXURE- II

CHECK LIST

The Tenderer shall fill up the following questions. The answers are to be given only as "CONFIRMED" or "AGREED or YES " or submitted.

Sl. No.	Question	Answer Confirmed /Agreed /Yes / Submitted
1	Cost of Tender :	
2	Earnest Money: Bank Draft i) Number and date of bank draft ii) Name of Bank	
3	Power of Attorney - Authority letter from authorised person indicating that the signatory to the Tender authorised for signing the tender.	
4	PAN : Copy of PAN card	
5	PF : Tenderer registered with P.F. authorities (Copy of Registration Certificates is enclosed).	
6	ESI : Tenderer registered with E.S.I. authorities (Copy of Registration Certificates is enclosed).	
7	GST Registration Certificate	
8	Declaration by tenderer (Annexure-I)	
9	Completion programme proposed	
10	Offer Validity for thirty (30) days from the due date of opening of price bid .	
11	All terms and conditions shall be as per ITT, CC, and Technical Specification as stipulated in tender.	
12	Tender document duly signed and submitted.	
13	Copy of Latest Audited Profit & Loss Statements for last five (5) years.	
14	Name of banker, address and account number	

SIGNATURE OF THE TENDERER

NAME :

DESIGNATION :

(Seal of the Company)

Address :

Mobile no. :

E- mail :

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CONDITIONS OF CONTRACT (CC)

BRIEF DEFINITIONS :

PURCHASER/ OWNER : Jharkhand State Cricket Association,
CONTRACTOR : Successful Tenderer

1. SCOPE OF WORK:-

The scope of work/ services shall be as per Tender Document enclosed in Technical Part as follows.

- 1.1. The scope of work and services shall include all works, supplies and services for completion of entire work as detailed in the **Technical Specifications/ Schedule of Quantities** of the tender stipulation.
- 1.2. Provide all labour, skilled, semi-skilled, un-skilled & supervisory personnel etc. as may be required to complete the work within the completion schedule.
- 1.3. Provide adequate tools, instruments, tackles, scaffolding, handling equipment required for completion of entire work.
- 1.4. Procurement of all the materials as may be required for carrying out the work.
- 1.5. Take required insurance coverage against all supplies, materials, equipment, labour, personnel including third party liability, risk of damage of own / other equipment and properties.
- 1.6. Arrange necessary Road Permit/ Way Bill, if required, at your own cost. JSCA shall not provide any Road Permit/ Way Bill to the contractor.
- 1.7. Make Timely payment of wages/ benefits to labourers, supervisory personnel engaged at site as per Wage Acts prevailing during execution of work, keeping JSCA completely indemnified against such payments. The CONTRACTOR shall keep a record of such payment and produce the same on demand by JSCA.
- 1.8. Abide by statutory regulations, labour rules, safety codes during execution of order and obtaining clearance from relevant statutory authorities as required. CONTRACTOR shall submit all statutory documents as may be required by JSCA.
- 1.9. Abide by all statutory obligations including ESI, EPF etc. during execution of order. CONTRACTOR shall submit all documentary evidence in this respects such as ESI, EPF certificates and Minimum Wage Certificate along with each and every bill or as may be required by JSCA
- 1.10. Undertaking all works including repairs and renovation work for completeness to the satisfaction of JSCA.
- 1.11. The CONTRACTOR shall attend any defect found during the Defect Liability period of contract. The CONTRACTOR shall promptly attend all the defects free of cost during this period and immediately shall take up the repairing/ rectification work required for making good of defects/ faults to the satisfaction of the engineers/ JSCA.

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- 1.12. The Contractor shall be held responsible for any damage or loss of JSCA property. The cost of such damage/ breakage/ losses shall be deducted from the agency's bill or from his Security Deposit/running bills.
- 1.13. If the Contractor's performance/ quality of services rendered during the contract period is found to be unsatisfactory, the contract shall be terminated forthwith by JSCA by giving ten (10) days notice to the Contractor.

2. CONTRACT PRICE:-

- 2.1. The total price for the scope of work/ services as per Technical Specification for estimated quantities of work and applicable unit rates shall be treated as the Contract Price.
- 2.2. This being firm unit rate contract, the above estimated Contract Price is subject to variation in quantities of work at actuals and as per final BOQ duly certified by the JSCA Engineer.
- 2.3. Unit rates of all the items shall remain firm, fixed and binding on the CONTRACTOR during entire period of execution of work and shall not be subject to any variation
- 2.4. Final contract price to be paid to the CONTRACTOR shall be calculated based on applicable firm unit rates and the actual quantities of work finally executed and as certified by the JSCA Engineer.
- 2.5. The Contract price shall be deemed interalia to include and cover the cost of all necessary supplies and construction material for the scope of work/ services.
- 2.6. This being a unit rate contract, the payment shall be released against actual quantities of work executed as certified by JSCA Engineer and applicable firm unit rates as per the work order.
- 2.7. The Contract price / Unit rates are inclusive of all applicable taxes and duties excluding GST, which shall be paid at actual.
- 2.8. Quantities shown in the attached schedule are only tentative and approximate and are liable for variation. The quantity variation within + 20% from the schedule will be paid at the quoted rates and the variation beyond + 20% of the quantity will be paid deriving market rate at the discretion of JSCA
- 2.9 **MEASUREMENT OF WORK**
 - Unless otherwise specified, measurement of work shall be carried out at site jointly by JSCA and Contractor and / or on the basis of the site order / drawings issued by JSCA The method of measurement shall be as per latest edition of IS 1200 unless otherwise specified.
 - In the event of any dispute with regard to measurement of work executed, decision of JSCA shall be final and binding on the CONTRACTOR.

3. TAXES AND DUTIES:-

- 3.1. The Contract price is inclusive of all statutory taxes including expenses towards various statutory and regulatory bodies safety, all over heads and insurance coverage excluding GST, which shall be paid at actuals.

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- 3.2. The Contractor shall produce documentary evidence as may be called for by JSCA in respect of taxes, duties like GST, PF, wage sheet, ESI, etc. paid by the contractor, during each running account bill.
- 3.3. TDS as applicable will be affected from all payments as per prevailing rules.
- 3.4. The Contractor should abide by the minimum wages act prevailing in the state.

4. EFFECTIVE DATE:-

- 4.1. The effective date of commencement of execution of the work by the Contractor shall be reckoned from seventh day of the date of issue of the LOI /Work Order.

5. TERMS OF PAYMENT:-

The terms of payment shall be as per ITT.

6. SECURITY DEPOSIT:-

Security Deposit shall as per ITT.

7. SUSPENSION AND TERMINATION:-

- 7.1. JSCA may at any time temporarily stop the work under the Contract or any part thereof by notice in writing to the Contractor. The work so suspended shall be resumed by the Contractor on receipt of instructions from JSCA in writing. JSCA will not be liable to the Contractor for any damage or loss or idle wages caused by such period of suspension of work.
- 7.2. JSCA will be at liberty to terminate the Contract without prejudicing its rights and affecting the obligations of the Contractor by giving ten (10) days' notice in writing in the following events:
 - i. If the Contractor fails to show progress of work or the work done by him is found unsatisfactory.
 - ii. If the Contractor fails to comply with the provision/ provisions of the Contract.
 - iii. If the Contractor is involved in any action of moral turpitude.

8. NEGLIGENCE, DEFAULT AND RISK PURCHASE:-

- 8.1. If the Contractor fails to execute the work with due diligence or expedition or shall refuse or neglect to comply with any order given to him in writing by JSCA, JSCA may give notice in writing to the Contractor calling upon him to make good the failure, neglect or contravention within such time as may be deemed reasonable and in default of the compliance with the said notice, JSCA without prejudice to its rights under the Contract, may rescind or cancel the Contract holding the Contractor liable for the damages that JSCA may sustain in this regard.
- 8.2. Should the Contractor fail to comply with such notice within a reasonable period from the date of serving thereof, JSCA shall have at liberty to take the work wholly or part thereof from the Contractor's scope and may complete the work envisaged in the Contract themselves or may instruct to any other person or persons to execute the same or part thereof and provide other materials, tools, tackle or labour for the purpose

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of completing the work or any part thereof at the Contractor's risk and cost. This shall be without prejudice to JSCA's rights under other clauses of this Contract.

- 8.3. JSCA shall have right to recover all expenses, costs and charges incurred in completion of the work by deducting any money due or which may become due to the Contractor or by revoking Security Deposit.
- 8.4. If the Contractor performs any work in a manner contrary to the Contract, without the approval of JSCA, the Contractor shall bear all the costs arising there from and shall be responsible for all losses to JSCA arising there from.

9. FORCE MAJEURE:-

- 9.1. Should at any time during the continuance of the Contract the performance in whole or in part of any obligations by either party under this Contract be held up by reasons of any war, hostility, acts of foreign enemy, civil commotion, sabotage, fires, floods, earthquakes, explosions, epidemics, cyclones, quarantine restrictions, Governmental regulations, law & order and other proclamation etc. (hereinafter referred to as "Events") then, provided notice of the happening of any such eventuality is given by either party to the other within 10 days from the date of occurrence thereof neither party shall, by reasons of such eventuality, be entitled to terminate this Contract, nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and the work under this Contract shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist.
- 9.2. Should one or both the parties be prevented from fulfilling their contractual obligations by a state of force majeure, lasting continuously for a period of at least four (4) weeks, the two parties should consult each other regarding the further implementation of the Contract with the provision that if no mutually satisfactory arrangement is arrived at within a period of two (2) weeks from the expiry of 4 weeks referred to above, the Contract shall be deemed to have expired at the end of the aforesaid two (2) weeks. Such expiry of the Contract will not relieve the parties from the obligations to reach agreement regarding winding up and financial settlement of the Contract.
- 9.3. The above-mentioned force majeure events shall not include constraints, which could prudently be foreseen like shortage of power, non-availability of raw materials, difficulties in making transport arrangement, break down of machines, strikes, lock outs etc.
- 9.4. The above-mentioned force majeure conditions/clause shall also apply in the works of sub-contractors/suppliers of the contractor.

10. ARBITRATION:-

- 10.1. All disputes or differences, whatsoever, arising between the parties out of or in relation to the construction, meaning and operation or effect of this contract or breach thereof shall be settled amicably. If, however, the parties are not able to resolve them amicably, the same shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration and "Conciliation & Arbitration Act' 1996" and the award in pursuance thereof shall be binding on the parties.
- 10.2. The Jurisdiction of arbitration proceeding shall be at Ranchi.
- 10.3. Work under this Contract shall be continued by the Contractor during the arbitration proceedings, unless otherwise directed in writing by JSCA or unless matter is such that the work cannot possibly be continued until the decision of the Arbitrator is obtained.

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11. LIQUIDATED DAMAGES FOR NON-FULFILMENT OF COMPLETION SCHEDULE:-

- 11.1. Time is essence of the Contract. The Contractor is aware that the contract work is to be executed within the stipulated completion schedule.
- 11.2. If the completion of work is delayed beyond the scheduled date for any reason other than due to Force Majeure conditions or for those attributable to JSCA, then the Contractor shall pay to JSCA as agreed Liquidated Damages but not by way of penalty on account of delayed successful completion of work @ **0.5% of the final contract price for each complete week of delay or part thereof up to a maximum of 5% of the final contract price.**
- 11.3. Deduction of Liquidated Damages shall in no way relieve the Contractor from his contractual responsibility to complete the works.
- 11.4. L.D. (if any) shall be recovered from retention/ final payment or security deposit money of the contractor.

12. FACILITIES TO BE PROVIDED BY JSCA:-

- 12.1. JSCA shall provide to the CONTRACTOR Sketches, instructions for execution of work as may be required by the Contractor.
- 12.2. No accommodation shall be provided for the workmen nor they shall be allowed to stay within the complex.
- 12.3. **Construction Water:-**
 - 12.3.1 Construction & Drinking water shall be taken from the existing source at no extra cost .
- 12.4. **Construction Power:-**
 - 12.4.1 Contractor shall be allowed to tap power from the existing sources. 0.5% of executed value work shall be deducted from the contractors bill .
 - 12.4.2 The CONTRACTOR shall be responsible for all damages, losses, etc., due to fire or otherwise if it is due to the CONTRACTOR's negligence, improper installation, operation and / or maintenance of CONTRACTOR's part of installations.

13. RATE OF EXTRA ITEMS:-

Should it be found necessary to execute any item of work which is not included in the schedule of items and as such no contract rate is available, the rates for such extra item shall be fixed as per the following order of precedence :

- 13.1. Where the extra works are of similar character and/or executed under similar conditions as any of work appearing in schedule of quantities, then the rates for such extra item shall be derived from the contract rates of similar/closest item of work provided.
- 13.2. Where the extra items are of similar character and / or executed under similar condition as appearing in the CPWD Specifications, then the rates for such extra items shall be followed as per latest edition of CPW Schedule of Rates.

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- 13.3. Where the nature of extra item is such that the rate for the same can not be derived as per procedure a & b above, then the rate shall be established based on the market rates of labour and materials. 15% shall be added towards overhead and profit. The procedure for rate analysis will be as per CPWD Norms.
- 13.4. The CONTRACTOR must submit his claim for extra items of work in advance alongwith necessary justifications. In no case extra claim shall be considered submitted unless same is confirmed by JSCA before execution of such extra work.

14. COMPLETION CERTIFICATE:-

- 14.1. Within 10 (Ten) days of the completion of contract period, CONTRACTOR shall give notice of such completion to JSCA, JSCA shall inspect the work and after satisfying itself with tests as required, shall issue a completion certificate to the CONTRACTOR, if there is no defect, imperfection or short fall in the work.
- 14.2. No Completion Certificate shall be issued nor shall the work be considered to be complete until the CONTRACTOR removes from the site all scaffolding, surplus materials, rubbish, etc. and all temporary works and cleans off the dirt from wood work, doors, windows, walls, floors, or other parts of the work.

15. MAINTENANCE GUARANTEE PERIOD (DEFECT LIABILITY PERIOD):-

Guarantee period shall be One (1) year from date of issue of Completion Certificate

16. LABOUR:-

16.1. EMPLOYEE'S PROVIDENT FUND

- i. The CONTRACTOR shall be solely responsible for deduction and contributions under the Employees' Provident Fund and Family Pension Act, 1952 and the scheme made there under as amended from time to time. He shall be solely responsible for the maintenance of records for payment of contributions and submission of returns in accordance with the said act and scheme.
- ii. In case the CONTRACTOR fails to make payments under the above act and the scheme made hereunder and as amended from time to time, JSCA reserves the right to make such payment on behalf of the CONTRACTOR, on demand from the authorities under the Act and recover the same from the payments due to the CONTRACTOR. Further, the CONTRACTOR shall indemnify and keep indemnified JSCA against any loss or damage whatsoever that may be suffered by JSCA as a result of any claims, damages, penalties for any failure, non-compliance on his part with the provisions of the aforesaid act and the scheme framed thereunder.

17. SAFETY AND SECURITY:-

- 17.1. The CONTRACTOR shall take all safety measures that are required by JSCA. Such measures shall include, but not limited to, precautionary fire/gas protection measures and accident prevention programmes.
- 17.2. The CONTRACTOR shall adopt adequate safety measure and use of protective clothing by all the workmen at site whether or not engaged in actual execution of work or supervision thereof as per requirement. The CONTRACTOR shall ensure that the workmen on site use safety belts, gloves, helmets, masks etc. as are necessary for their safety.

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- 17.3. The CONTRACTOR shall take adequate safety precautions for prevention of accidents at site. The CONTRACTOR shall also ensure that their employees/ workmen observe the statutory safety rules and regulations as also those laid down by JSCA from time to time.

18. GOVERNING LAW:-

This order including the Arbitration proceeding shall be governed by and interpreted in accordance with the laws of India and shall be subject to the exclusive jurisdiction of the courts of Ranchi.

19. CORRESPONDENCE:-

All correspondences with regard to this work order shall be made in duplicate to the following addresses:

The Chief Executive Officer J.S.C.A. International Stadium Complex, H.E.C. Campus, Dhurwa, Ranchi, Jharkhand - 834004.	Phone : 0651-2402009 E-mail : jscaranchi@gmail.com
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SPECIFICATION OF MATERIALS

All material and job shall be new and of best quality and shall be got approved before use.

1. All boards, ply and veneer shall be Greenply/Century brand.
2. Paints shall be first quality of Asian paint, Berger, Nerolac or as approved.
3. Screws shall be Nettle fold.
4. All Light fitting shall be of Philips make. If the specific fitting is not available , approval for using other make shall be taken in advance.
5. Design of graphic Vinyl film to be got provided shall be approved by the Consultant.
6. Switches shall be of Legrand(Arteor), make unless otherwise specified and cable shall be of ISI quality unless otherwise indicated .
7. In all area where furnishing job are to be carried out, whether specifically mentioned or not, shall include.
 - a. Leveling, aligning of walls, ceiling, floors to give a flawless & perfect finish.
 - b. All walls and ceiling whether new or old shall be painted as per direction and wood of doors shall be polished/painted.
 - c. Necessary electrical modification including chase cutting, false ceiling cutting, switches etc and making good the damages.
 - d. Door stoppers and door closers.
 - e. Necessary civil or furnishing jobs required for installation of Split Air Conditioners , and electrical work.
8. Fans shall be of USHA/HAVELLS make long extension rod shall be provided where required.
9. All floor spring shall be 'DORMA' make.
10. In most of the item of B.O.Q. make are specified. If such make is not available, make shall be got approved prior to procurement and use.

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BILL OF QUANTITIES FOR RENOVATION & INTERIOR WORKS OF JAMSHEDPUR OFFICE

SL NO	ITEM DESCRIPTION IN BRIEF	UNIT	QTY	Rate	Amount
Notes: 1.Rates for all the items include cost of scaffolding where required. 2.After demolition and dismantling unserviceable materials shall be dumped in nearest authorised dumping area 3.As this is renovation work, bidders to visit office and understand the type of work before submission of offer and to account all expenses as required in quoted rates 4. The renovation work is to be carried keeping the office working. Hence the successful bidder to plan and execute the works accordingly and shall be required to work beyond office hours also to complete the work in the stipulated time.					
PART-A (Demolishing /Dismantling)					
1	Dismantling/removal of existing P.C.C, from base of floor where ever required as per the direction of Architect & PM for Ground and First Floor Toilets.	cum	10		
2	Demolition / Breaking existing Tile flooring with bed mortar wherever required/ directed and disposing the debris in bags outside the premises complete.	sqm	190		
3(a)	Dismantling/removal of existing gypsum/p.o.p ceiling including framework where ever required as per the direction of the Architect & PM.	sqm	180		
3b	Credit for taking away of useful/serviceable material obtained from above	LS			
4(a)	Dismantling/removal of existing dry partition wall/ column cladding including framework where ever required as per the direction of the Architect & PM.	sqm	30		
4b	Credit for taking away of useful/serviceable material obtained from above	LS			
5	Dismantling of existing brick work (230mm thick and 115mm) in cement mortar/existing concession counter /post mix, toilets, main entry wall complete in all respect including stacking of serviceable materials and disposal of unserviceable materials from the site, where ever required as per the direction of the Architect & PM.	cum	20		
6(a)	Dismantling of RCC work in lintels, counters slabs with /without stone finishes etc. including cutting of reinforcement steel including stocking the debris in allocated location, shifting of debris out side the premises as directed, where ever required as per the direction of the Architect & PM. NOTE : All existing Toilet Sanitary fittings / Fixtures /pipes /Drains etc and Demolition/ Breaking/Removing of all existing Electrical concealed wiring /conduits/Switch	cum	2		

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	boards/Panels /light fixtures etc. wherever directed Included in rate mentioned.				
6b	Credit for taking away of useful/serviceable material obtained from above	LS			
7(a)	Dismantling/ Removal of fixed furniture/loose furniture/ including stacking of serviceable materials and disposal of unserviceable materials from the site, where ever required as per the direction of the Architect & PM.	LS	1		
7b	Credit for taking away of useful/serviceable material obtained from above	LS			
8(a)	Demolition/ Breaking/Removing of all existing Electrical concealed wiring /conduits/Switch boards/Panels /light fixtures etc. wherever directed and ,disposing the debris outside the premises complete.	LS	1		
8b	Credit for taking away of useful/serviceable material obtained from above	LS			
9	Disposal of debris from site by trucks including shifting to ground floor, loading, unloading and lead. (per trip of truck to carry min. 150 cft of wastage) -	Trip	3		
	Part-B (New Civil work)				
10	Providing and laying crystalline based composite built up waterproofing in the toilets/ kitchen/ pantry etc. comprising of three coats of Tapecrete or equivalent polymer, each coat admixed with cement in the proportion 1:2 (one part Tapecrete and two parts cement) over a primer coat of neat cement slurry admixed with impermeable chemical CH-9. After the second coat of Tapecrete, all corners, edges, joints of pipes with concrete / masonry should be sealed with epoxy putty. The waterproofing treatment is to be laid underneath all sanitary pipes on the base and taken up onto the verticals upto a level of minimum 300mm above the finished floor level including providing and fixing of PVC spout, 15mm thick protective plaster 1:4 (1 cement : 4 coarse sand) over treated surface etc. complete as per manufacturer specifications or as directed by the project manager. (Quoted rate to include grouting of RCC surface for any cracks/ fissures).	Sqm	80		
11	Providing & Laying cinder concrete using 10% cement by volume of cinder in sunken portions , with cement mortar 1:4, compaction, curing , surface/ sides finishing etc. completed as directed by Civil Engg.	cum	35		
12	Providing and laying 115mm Thick brick partition walls with good quality fly ash	sqm	85		

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	bricks class designation 100 in cement mortar 1:4 (1cement : 4 coarse sand) including providing 2 Nos. of 6mm dia M.S. round bars at every IV th course, including scaffolding, curing, rubbing the surface, racking out the joints etc., complete as directed and specified for walls, parapet, platform supports etc. at all floor heights & levels.				
13	Providing and laying 230mm thick masonry walls above plinth using fly ash cement bricks for superstructure, in walls, pillars, steps, parapet, rooms and other similar locations etc of class designation 100 in cement mortar 1:6 (1 cement : 6 sand) in true line, level and plumb including racking the joints upto 20mm depth, rubbing and cleaning the surface, with necessary scaffolding, curing etc., complete as directed and specified at all heights & levels.	cum	3		
14	Providing and fixing 150mm wide 24 gauge 18mm size galvanized chicken wire junctions of concrete and brick walls and other locations.	Sqm	30		
15	Providing and laying , RCC Lintels above doors/opening as required with M20 grade reinforced cement concrete including shuttering, scaffolding, curing, etc. at all heights & levels as per dwg.	cum	1		
16	Steel reinforcement for R.C.C. work including supply of steel, straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	100		
17	. Providing and laying plain cement concrete of specified grade as bed concrete in locations as called for laid, consolidated and cured etc. complete as per specification and drawing including the cost of centering and shuttering. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm and down gauge)	cum	6		
18	Providing cement plastering for masonry wall, using 1:6 cement sand mortar, complete to true line & plane in all levels and locations & finished to receive POP / paint/wall tiles Rates shall include raking out old joints, scaffolding etc				
	15mm mm thk in CM 1:6	Sqm	250		
19	Providing and applying plaster of paris (super fine quality) Punning minimum 2 mm thick on walls, columns etc. In Gym and other locations as per requirement including scraping & hacking the existing finished surfaces and applying plaster of paris on wall, making in proper line and levels for smooth finish etc. complete as per design and drawings.	Sqm	25		
	Part-C DRY Partition walls				

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20	Providing, making & fixing of 165mm thick Dry Wall, made up of 70mm x70mm x2mm GI frame @ 600mm centre to centre, covered with 12mm thick BWR ply board on both sides, fixing with necessary arrangement & hardware-screw, nail, nut, bolts etc in Conference Room Walls and other areas required up to 3050mm ht.. The work includes provision for MEP services or other, complete in all respect as per drawing, designs and directions of Project Manager. (165mm thick Double Skin Dry Wall (With ply))	Sqm	70		
21	Providing, making & fixing of 165mm thick Dry Wall, made up of 70mm x70mm x2mm GI frame @ 600mm centre to centre, covered with 12mm thick BWR ply board on one sides, fixing with necessary arrangement & hardware-screw, nail, nut, bolts etc in conference rooms and other locations as required .. The work includes provision for MEP services or other, complete in all respect as per drawing, designs and directions of Project Manager. (165mm thick Single Skin Dry Wall (With ply))	sqm	35		
22	Providing, making & fixing of 125mm thick Dry Wall, made up of 50mm x50mm x2mm GI frame @ 600mm centre to centre, covered with 12mm thick BWR ply board on both sides , fixing with necessary arrangement & hardware-screw, nail, nut, bolts etc.. The work includes provision for MEP services or other, complete in all respect as per drawing, designs and directions of Project Manager. 125mm thick Double Skin Dry Wall (With ply) (Wall between Waiting Lobby and Gym)	sqm	60		
23	Providing, making & fixing of 125mm thick Dry Wall, made up of 50mm x50mm x2mm GI frame @ 600mm centre to centre, covered with 12mm thick BWR ply board on one sides , fixing with necessary arrangement & hardware-screw, nail, nut, bolts etc.. The work includes provision for MEP services or other, complete in all respect as per drawing, designs and directions of Project Manager. 125mm thick Single Skin Dry Wall (Wall between Waiting Lobby and Gym)	sqm	5		
24	Providing and fixing 75mm thick Single Skin Dry Wall (With gypsum board) – in Ground Floor Conference and open office portals. With GI Frame work (gypsteel - India gypsum) of 48 mm boxed studs (0.55 mm thick, having one flange of 34mm and another flange of 36 mm) for vertical members and U-channels (0.55 mm thick, having equal flanges of 32 mm) for	sqm	10		

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	horizontal members placed at 610 mm centre to centre both ways with joints staggered to avoid through joints. The frame work is to be adequately anchored in ceiling and on floor having additional framework of rough wood treated with anti-termite and fire retardant paint for fixing storages, fire extinguishers paintings, switch boxes, door frames, Mapple wood edge etc. complete straight & curved as per drawing.				
25	Providing & fixing 12mm thick clear toughened glazing(Glass partition at Main Entrance, Presidents Room & First Floor Cabins) or elsewhere fixed on concealed aluminium channel with necessary fittings, supports and including joint filing with clear silicon complete as per the details are provided in drawings or as directed by Architect/Engineer.	sqm	40		
26	Providing & Fixing glass wool in partitions for sound insulation of 50 mm thk 1000 gsm density to be filled between frame-work of partition walls in specified locations of dry walls fixed with chicken mesh on both sides with all bye works complete as per specifications and requirements."	Sqm	90		
	PART- D (Doors and Windows)				
27	Designing, fabricating, supplying, assembling and fixing in position as per site conditions, Double leaf, single action Glass door without frame, made of 10mm thick clear, edge polished, toughened glass as per the detail drawings. Including Floor springs with hold open function, 600mm pull handles (one on each side), bottom patch locks with euro profile cylinders. Mode of measurements:- Numbers				
	(i) Main door 1800x2400(appx)	Nos	1		
	(ii) Internal doors 1500x2400(appx)	Nos	4		
28	Providing & Fixing of Otic-Particion (Sliding toughened glass door with aluminium door frame single leaf)make Sliding Stile Door System having size of 75*45 with door profile ie. 6063-T6 Vargin grade duly Anodized Aluminium Door Sections having sizes of 100x35x1.5mm thick, 10 mm Toughened Glass including Hafele 140 Sliding Door Mechanism with soft stop, Recessed Handle with dead lock. Mode of measurements:- Numbers				
	(i) Ground floor Staircase 1200x2100 (approx)	Nos	1		
	(ii) First floor cabins1000x2100	Nos	3		
29(a)	Providing and fixing fully glazed two track anodized Sliding Window atspecified locations in first floor and conference room using approved Aluminum Section with outer frame as req. and 2 track bottom top and side including	Sqm	5		

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	sliding shutter having top and bottom section, handle section, inter lock section with 6mm thick plain glass including wall fixtures and fastening with EPDM Jumbow rubber glass seal, wool pvc seal, SS concealed lock, TPI bearing and aluminum cleats, Silicon sealant, screw and nails also painted/powder coated etc. complete as per design and drawing				
(b)	Providing and fixing fully glazed anodized Fixed Window at specified locations using approved Aluminum Section with outer frame as req., , inter lock section with 6mm thick plain glass including wall fixtures and fastening with EPDM Jumbow rubber glass seal, wool pvc seal, TPI bearing and aluminum cleats, Silicon sealant, screw and nails also painted/powder coated etc. complete as per design and drawing	Sqm	5		
30	Supplying, fabricating and fixing in position of selected good quality Sal wood including framing matching with shutter as per desin in Door, (Fire Rated Paint of doors, made to size and shape as shown, with metered joints, fixed with threaded expansion bolts to rough grounds / masonry including making necessary grooves, architraves ,etc.. providing and applying 2 coats of fire retardant (viper) & anti-termite paint on concealed surfaces, rebates for locks, hinges, metallic fasteners, all necessary hardwares, complete as per detailed drawings.	cum	0.07		
31	Providing & fixing of 30mm thick solid core flush shutters conforming to IS2202 (Part-1) both faces commercial ply fixed with 1.0mm thick approved laminate in approved pattern on both sides including 6.0mm thick lipping (fire retardant paint in natural/clear polish) around the shutters, p/fixing lock plate as shown, including necessary nails, screws, glues etc. complete as per detailed drawings. Rate shall include all necessary hardware, fixtures and accessories e.g. SS handle - 32mm dia & 600mm long Hollow section (custom make), SS finished tower bolt - 300 mm long, SS finished Door stopper, PVC Buffer, hydraulic door closers -Godrej' - 4159 etc as required including necessary nails, screws, glues etc. completed as per the details are provided in drawings or as directed by Architect/Engineer.	Sqm	20		
32	Providing & fixing of 1mm Thick approved P4 & MR grade laminate on shutter of existing flush door including scrapping the existing paint completely, pasting with approved adhesive, including all necessary arrangement & hardware, complete as per design, pattern & details given in drawing/Architect instruction. Make-As Approved.	Sqm	8		

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33	Providing & fixing of 300mm high S.S. Door Handle, in Copper satin finish as approved with all necessary hardwares, complete as per details provided in drawings or as directed by Architect/Engineer for all service doors.	Pair	10		
	Part –E (CEILING and Finishing works)				
34	Providing & fixing of Plain Gypsum Ceiling(in both ground floor and first floor) on GI framework. The GI framework consists of perimeter channel of size 27mmx 0.5mm. Intermediate channel of size 45mm x 0.5mm thick, fixed at 600mm c/c. 12.5 mm thick tapered edge gypsum board fixed to ceiling channel with 25mm drywall screws @ 230mm c/c, jointed and finished with requisite filler, paper tape, finisher and primer suitable for gypsum board. Fixing details to be as per manufacturers specifications/standards. Rate to include make necessary cu-outs/ openings for light fittings etc, including cove lights, traps doors etc as required.	Sqm	160		
35	Providing and applying three or more coats of best quality approved Texture Paint , of approved manufacture and shade to specified surfaces applied evenly and finished to approved texture including preparation of surface, approved primer and under coat to the entire satisfaction of engg in charge/ Architect for all leads & lifts.	Sqm	200		
36	Providing and applying two or more coats of best quality oil bound distemper of approved manufacture and shade to specified surfaces like Ground Floor Toilets, Pantry, locker room, exposed ceiling in open office and gym, First Floor Store and Toilets , applied evenly and finished to specified shade including preparation of surface by cleaning scrapping, smooth filling crevices, scaffolding, appropriate primer etc. complete as per manufacturers specifications to entire satisfaction of engg in charge/ Architect for all leads & lifts.	Sqm	450		
37	Providing & applying three or more coats of Acrylic Emulsion paint of approved quality & shade by sand papering the surface, applying one coat of primer, prepare the surface with two coats of full putty, sand papering again, repeating a coat of primer, applying one coat of lustre paint, touching up with putty & applying two final roller coats of Acrylic emulsion paint, on specified surfaces like Ground Floor Passage, conference room, Gym and First Floor Open office & cabins incl. preparing the surface by cleaning scrapping, smooth filling crevices, scaffolding etc to completed as per details & design given in drawing/Architect instruction.	Sqm	450		
38	Providing, making & fixing of 600 x 100mm Wooden portal suspended from existing ceiling	Sqm	10		

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	(First floor office – portal created at cabin wall) with adequate framework provided @ 600mm centre to centre, made up of 12mm Thick ply board with necessary lipping, hardware- screws etc, finished with approved paint duco PT-5(Bulkhead on Ceiling With Paint PT-5 (Blue).				
39	Providing and fixing of linear, open baffle metal ceiling powder coated in conference room in approved color. Make: Durlum Polylam Series or equivalent.	Sqm	15		
40	Providing and applying exterior texture paint over 2mm thickness in approved shade on wall surface (including scrapping of existing paint completely) consisting of Acrylic co-polymer resins combined with Quartz,silica, minirals aggregates, synthetic inorganic pigments bactericides, fungicides and various others additives giving the surface water repellent properties including necessary primer and two coat of premium acrylic paint with silicon additives including scaffolding etc all complete with bye work as per direction of engineer in charge.	Sqm	370		
	PART F (Flooring works)				
41	Providing & laying of flooring with 20mm thick slate stone (ST-1) of approved colour shade & size, (Make- As Per Approved), over a base of 20mm thk cement sand mortar with CM 1:4 (fixing to be done with cement slurry & paste) in line and level with seamless joint, as per pattern, details & specification. Rate shall include all wastage, cutting, mirror polished, as per approved sample, completed as per the details are provided in drawings or as directed by Architect/Engineer. Bubble wrap protection to be used by contractor. No extra payment made for it. (Ground Floor Entrance steps and Porch.	Sqm	15		
42	Providing & laying of flooring with 18mm Thick Dark Brown Italian Marble in Presidents toilet (ST-2) of approved colour shade & size, (Make-As Per Approved), over a base of 20mm thk cement sand mortar with CM 1:4 (fixing to be done with cement slurry & paste) in line and level with seamless joint, as per pattern, details & specification. Rate shall include all wastage, cutting, mirror polished, as per approved sample, completed as per the details are provided in drawings or as directed by Architect/Engineer. Bubble wrap protection to be used by contractor. No extra payment made for it.	Sqm	5		
43	Providing & laying of flooring with Vitrified Ground floor and first floor toilets (excluding	Sqm	30		

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	<p>presidents toilet) of approved shade & Size, over a base of 20mm thick cement mortar (1:4) laid to patterns with Laticrete or equivalent" make Epoxy stain free (SP-100) grout i/c necessary cutting, curing, cleaning etc. complete as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge. Tiles to be laid with hairline seamless joints.</p> <p>Quoted rate to include the cost of curing, protection with polythene sheet and POP overlay till hand-over.</p> <p>Make- As Approved</p>				
44	<p>Providing & laying of flooring with Vitrified tile in Pantry, Staff Toilets, Gym Lockers & ice bath room and First floor store of approved shade & Size, over a base of 20mm thick cement mortar (1:4) laid to patterns with Laticrete or equivalent" make Epoxy stain free (SP-100) grout i/c necessary cutting, curing, cleaning etc. complete as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge. Tiles to be laid with hairline seamless joints.</p> <p>Quoted rate to include the cost of curing, protection with polythene sheet and POP overlay till hand-over.</p> <p>Make- As Approved</p>	Sqm	45		
45	<p>Providing and fixing with 10mm thick Engineered wood flooring in Ground Floor Lobby, presidents room and open office in approved shade and size in 4v groove ,in Satin Lacquer finish ,ABC grade flame resistance – Cfl-S1 and Dfl S1 to be laid homigrome pattern in Ground Floor Lobby, presidents room and open office as per appvd.</p>	Sqm	60		
46	<p>Providing and fixing with 8mm thick Laminated wood flooring of Square Foot make or equivalent approved (in First floor Passages and corridor& Office, First Floor Cabins & Office)as per appvd shade and size with 4 sidev groove in lacquered finish abrasion resistance AC 4 according to EN 13329 flame resistance CFL-S1 to be laid in herring bone pattern . The planks shall be provided with tongue & groove required for locking. The flooring to be laced with underlay foam if required , fixed with necessary edge profile & transition strip where ever necessary complete as per manufacturer's instructions. The rate shall include cost and conveyance of all materials, labour charges, lead, lift, laying, all complete as specified and as directed by the Engineer-in-Charge.</p>	Sqm	150		
47	<p>P/F Carpet Tiles of 5.5mm thick of size 50cmx50cm (Tarket or equivalent approved make) confirming to IS 10874 in Ground Floor Conference Room with the following specifications: Pile Fibre - Nylon 6/6;</p>	Sqm	40		

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	Construction - Level loop; Pile Weight - 20 oz / sqyd.; Pile Height - 13 /64". Make – Interface;				
48	Providing and laying 8.3 mm thick sports vinyl flooring as per EN 14904(Tarket or equivalent approved make)over existing concrete flooring in GYM areas of approved pattern, including necessary surface preparation, adhesives etc. complete as per manufacturers specifications	Sqm	125		
	PART G (Wall finishing and cladding works)				
49	Providing & fixing Feature wall 25 mm x25 mm square wooden beading profile nailed and fixed on top of 19 mm thick ply (full height). Ply panel to be fixed on 12mm thk wooden subframe laid at 600 x600 c/c. Provide flat wooden beading till 1200 @ 900 c/c, laid in vertical manner. Wall surface above 1200mm ht to have wooden trims at 900c/c intervals and painted in metallic textured paint as approved. (In Lobby area)	Sqm	20		
50	Providing & fixing of Laminate Cladding in Conference Room & First Floor cabins with 1mm Thick approved laminate, fixed over existing surface with screw etc., pasted with approved adhesive, including all necessary arrangement & hardware, complete as per design & details given in drawing/Architect instruction. (Make-As Approved.	Sqm	55		
51	Providing & fixing of Veneer panelling with 4 mm thk .Veneer VR-1 on walls in Presidents room with PU matt finish polish Make-As Approved.	Sqm	40		
52	Providing and fixing (White SGG PLANILAQUE laquered glass cladding (GL-3)) in Conference Room Planilaque Glass made out of 6mm thk back painted glass fixed using silicon sealant on 12mm thk ply with necessary support as per requirement. Mode of measurements:- Front Elevation, one side only, No wastage to be added (appvd. Make St. Gobain or equivalent)	Sqm	30		
53	Providing & applying of Wallpaper in First Floor Cabins (WL-1) of approved colour shade & size on wall as per drawing/ pattern, pasted over existing surface, including Surface preparation with two coats of putty, two coats of approved primer including preparation of surface, scrapping, sand papering, scaffolding, all materials and labour, etc complete to receive wall paper / vinyl graphics. Surface should be prepared as per details given & approved by wallpaper / graphic vendor. Make-As Approved.	Sqm	100		

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54	<p>Providing & applying graphic artwork on opaque 3M (or equivalent) vinyl film. Cost to include surface preparation with two coats of putty, two coats of approved primer, scrapping, sand papering, scaffolding, all materials and labour, etc complete to receive vinyl graphics. Surface should be prepared as per details given & approved by graphic vendor.</p> <p>Mode of Measurement:- As laid; No wastage to be added.</p> <p>Presidents Room (GR-1),Gym(GR-2) and Gym(GR-4)</p>	Sqm	70		
55(a)	<p>Providing & fixing of Cladding with 6mm Thick Mirror (MI-02) in Gym areas of approved colour shade & size, as per drawing/ pattern, fixing over existing surface with approved adhesive. All to be completed as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge.</p> <p>(Make-As Approved.</p>	Sqm	18		
55(b)	<p>Providing & fixing of Cladding with 6mm Thick Mirror in Gym With 8mm Thick Toughened Clear Glass (GL-1) + 3M Film Backing (GR-3) (MI-02) of approved colour shade & size, as per drawing/ pattern, fixing over existing surface with approved adhesive. All to be completed as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge.</p> <p>Make-As Approved.</p>	Sqm	5		
56(a)	<p>Providing & fixing of Ceramic Tile cladding using 300x600mm tiles with approved colour wooden & size on select wall in toilet of GF & FF as per drawing/ pattern, with over a base of 12mm thk. cement mortar (1:3), with seamless joint. All to be completed as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge.</p> <p>Make- As Approved.</p>	Sqm	65		
56(b)	<p>Providing & fixing of Ceramic Tile cladding using TL-4 Tile (600 x 600 mm) with approved colour & size on wall as per drawing/ pattern, with over a base of 12mm thk. cement mortar (1:3), with seamless joint. –textured white</p> <p>Select walls in Toilets (G.F. & F.F.), Ground Floor Staff Toilet & Locker Rooms, Ground Floor Pantry Walls, First Floor Pantry Walls</p>	Sqm	200		
57	<p>Providing & fixing of Ceramic Handmade Tile cladding for Vanity walls in all Toilets (G.F. & F.F.) with approved colour & size on wall as per drawing/ pattern, with over a base of 12mm thk. cement mortar (1:3), with seamless joint. All to be completed as per pattern, specification, design & details shown in drawing or as approved by Architect/Project-In-charge.</p> <p>Make- As Approved.</p>	Sqm	25		

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58	Providing & fixing of wall Cladding with 18mm thk BIANCA DURATO MARBLE(ST-3) in Presidents toilet of approved colour shade & size as per drawing/ pattern, fixed over existing surface with approved adhesive Laticrete 290_MYK Laticrete (adhesive to be mixed with approved latex for installation of marble), including all necessary arrangement & hardware, complete as per design & details given in drawing/Architect instruction. Make-As Approved.	Sqm	35		
59	Providing & fixing 50x20 mm thk. maple wood skirting /band on walls, partitions & panelling. Wooden skirting to have anti-termite treatment and finished with melamine polish.	Rmt	45		
60	P/F Skin of 150 high skirting band on walls, partitions & panelling of matching laminate over 12mm thk. Comm. Ply.	Rmt	20		
61	Providing and fixing 50mm high Aluminium powder coated skirting on partitions & wall etc. all complete as per architects instructions. The rate to be inclusive of all accessories, such as anchor fasteners etc. complete. as per the Architects approval with 8mm groove between floor and bottom edge to tug the carpet wherever necessary. Mode of measurements:- Running length	Rmt	180		
62	Providing & fixing 150mm High Skirting with Vitrified tile of approved colour & size, as per drawing/ pattern, fixing over existing surface with approved adhesive Laticrete 290_MYK Laticrete (adhesive to be mixed with approved latex), with seamless joint, including all necessary arrangement & hardware, complete as per design & details given in drawing/Architect instruction. Make-As Approved.	Rmt	18		
63	Providing and fixing dry cladding up to 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size up to 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per approved shop drawings and direction of Engineer-in-charge. Cost of steel frame work, stainless steel cramps and pins etc. to be included	Sqm	35		
	PART-H(Counter tops works)				
64	Providing, fabricating and fixing in position Washroom Counter in all Toilets (G.F. & F.F.), Presidents Toilet as approved, made up of 25mm thick marine/BWR ply board on 25mmx25mmx2mm MS frame with 2 nos of MS	Sqm	5		

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	angle of required length having size 75x75x6mm, as required side, front & Top with 18mm Thick Armani Brown Marble , pasted with approved adhesive in line and level, joint with pigment to match the shade of marble. Rate shall include all wastage, necessary hardware, Grinding, polishing,etc, completed as per the details are provided in drawings or as directed by Architect/Engineer. Top view to be measured.)-Make-As Approved.				
65	Providing, fabricating and fixing in position Washroom Counter in Ground floor Staff Toilet, Vanity In Gym Lockers, Pantry on both ground floor & First Floor as approved, made up of 19mm thick marine/BWR ply board on 25mmx25mmx2mm MS frame with 2 nos of MS angle of required length having size 75x75x6mm, as required, as required side, front & Top with 20mm Thick Black Granite , pasted with approved adhesive in line and level, joint with pigment to match the shade of marble. Rate shall include all wastage, necessary hardware, Grinding, polishing,etc, completed as directed by Architect/Engineer. Top view to be measured. (Make-As Approved.	Sqm	6		
	PART I (FURNITURE WORKS – Built in Units only) 1.Front elevation area will be measured for payment 2.All fixtures shall be Haffle brand 3.Cost of fitting like hinges, drawer runners , locks, handles shall be included in item rate				
66	Providing and fixing(450mm deep) full ht. Display cabinet in 19mm thk. BWP Ply in squares of different sizes for trophies & medals in PU Finish with fluted panels and as per approved design. The horizontal and vertical divisions shall be as per the instructions /direction. Lobby and Presidents room passage	Sqm	25		
67	Providing and fixing full ht. Display- cum storage cabinet having 450mm deep in conference room with 19mm thk. BWP Ply as per approved design. 600Mm high storage in laminate finish,, 1800mm high planalique glass (Sanit Gobin or equivalent) fixed on 6mm thk ply with silicon sealant, open squares for display of trophies and medals in duco paint, openable shutters to service Electrical switchboard behind. . The horizontal and vertical divisions shall be as per requirement . All necessary hardware like hinges, drawer runners, locks and handles etc	Sqm	25		
68	Providing and fixing 1050 MM high ht,600mm deep . Storage unit in Ground Floor Office , with closed shutter till 750mm and open rectangles of 450mm height in 19mm thk.BWP ply with laminate and PVC edge band where required. The horizontal and vertical divisions	Sqm	10		

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	shall be as per the instructions . All necessary hardware like hinges, drawer runners, locks and handles etc				
69	Providing and fixing full ht. Storage cabinet in with 19mm thk. BWP Ply with laminate as approved. The horizontal and vertical divisions shall be as per instructions All necessary hardware like hinges, drawer runners, locks, and handles etc. In first floor passages and pantry	Sqm	20		
70	Providing and fixing Open Storage cabinet till 2400mm high in 19mm thk. BWP Ply with laminate as approved. The horizontal and vertical divisions shall be as per the instructions . All necessary hardware like hinges, drawer runners, locks, and handles etc In GYM and In Ground Floor pantry under counter	Sqm	6		
	PART-J (MISCELLANEOUS ITEMS WORKS)				
71	Providing & Fixing of 6mm thick rectangular clean mirror with bevelled edges of size 450mmx600mm in ground floor staff toilet Mirror to be fixed onto the existing wall surface with soft board backing with all necessary arrangements & hard-wares etc.	No	1		
72	Providing & Fixing of 6mm thick 500mm Diameter Round Mirror with metal frame with necessary backing as per approved finish with Adjustable leather hanging Strap in Toilets – Male , Female & President, First Floor Toilets	No	5		
73	Same as item no 71 but with Rectangular metal frame clear mirror of approved finish- Size 450mm x 600mm in Gym – Male & Female Changing Rooms	No	2		
74	Providing and fixing Compact laminated toilet cubicles of size 1100x1400mm approx in Toilets & Gym Change Rooms of Greenlam/ Merino or equivalent (as per approved by client) make finished with approved laminate including all fittings as per drawing, complete in all respects, as approved by architect/Site in-charge.	Nos	7		
75	Supplying ,fabricating and fixing of MS grills made from angle/flats/sq bars of required size and design including two coats of synthetic enamel paint over a coat of primer complete with all by works	kg	50		
76	Supplying, cutting to size and fixing 5mm glass panes in windows as per requirement with all bye works complete	sqm	5		
	Part-K (PLUMBING & SANITARY WORKS)				

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	Note:1. All sanitary items includes cutting holes in RCC/slab grouting with concrete (1:1:2) adding water proofing agent 2.All sanitary fittings shall be of Jaquar make Make indicated against sanitary items are to be strictly adhered and in case of non availability prior approval to be taken for other makes .				
77	Supplying, fitting and fixing EWC having the following features (i)Rimless ,Blind installation wall hung Water closet with PP soft close slim seat cover hinges ,fixing accessories and accessories set of size 375x520x 400mm having cat logue no SLS-WHT-6953BIPPSM Solo range (ii) 12mm dia stainless steel rack bolts code ZPS-SNS-RBO7 (iii)concealed cistern JCS-WHT- 2400 WP with wall mounting frame installation kit and P type drain pipe connection set complete (iv)Flush control plate Opal range JCP-CHR-152415	Set	8		
78	Supplying fitting and fixing health faucet ALD-CHR-579 (Allied range) with 1 m long easy flex tube in chrome finish and wall hook with NRV to avoid back flow	Set	8		
79	Providing and fixing Toilet roll holder Stain less steel (range continental) ACN-CHR-1153S	Each	1		
80	Providing and fixing Urinal having code URL-WHT-13263 of size340x320x650mm with fixing accessories including Auto closing concealed flush valve with wall flange (Range prismatic taps) PRS-CHR-073 including all bye works complete	Set	5		
81	Providing and fixing Counter top basin (Range Solo) Code SLS-WHT -6601 having size 600x400x175mm with bottle trap ALD-CHR-769 (with internal partition) 32mm size with 250mm and 190 mm long connection pipe and wall flange and angle cock ALD-CHR-769 complete in all respects	Set	7		
82	Providing and fixing Table top basin (Range Solo) Code SLS-WHT -6901 having size 485x370x150mm with bottle trap ALD-CHR-769 (with internal partition) 32mm size with 250mm and 190 mm long connection pipe and wall flange and angle cock ALD-CHR-769complete in all respects	Set	3		
83	Providing and fixing stainless steel A ISI 304(18/8) kitchen sink with drain board of size1000x510mm with bowl size 460x410x210mm Nirali make Elegance series with CI brackets and stainless steel plug 40mm including bottle trap with bottle trap ALD-CHR-769 (with internal partition) and with basin mixer all bye works complete	Each	2		

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84	Providing and fixing Wall mounted automatic soap dispenser (Euronics make) ESO6N with all bye works complete	Each	8		
85	Providing and fixing Infra red type metal body hand drier in all toilets except in staff toilet EH25 NW with all bye works complete	Each	3		
86	Providing and fixing pillar cock (in all toilets and gyms ,lockers) (range Opal prime) code OPP-CHR-15021 PM with 200mm extended body	Each	10		
87	Providing and fixing pillar cock in pantries (range Opal prime) code OPP –CHR-15001PM	Each	2		
88	Providing and fixing Towel ring square with round flange (Range continental)ACN-CHR-1121N in President toilet with all bye works complete	Each	1		
89	Providing and fixing robe hook (range continental ACN-CHR-1191N in each WC cubicle	Each	3		
90	Providing and fixing UPVC floor traps of size 100x50mm with extension piece of required length with solvent cement joint with SS grating cover and frame of size 150x150mm	Each	16		
91	Providing and fixing UPVC pipes (6kg/sqcm) IS 4985 including all fittings) plain or door) eg bends, on any angle ,socket, junction, cowls, offsets, access piece, jointing with ring /solvent cement including cutting chase or holes in wall and floors where required and making good the same to ensure leak proof				
	(i) 75mm OD	Rm	100		
	(ii) 110mm OD	Rm	100		
92	Providing and fixing Chlorinated Poly Venal Chloride(CPVC) pipes of approved make including all fittings such as tee, bend, socket as required etc having thermal stability suitable for hot and cold water supply including making chase/hole in floors /walls making good or fixing clamp @ 1m c/ c in exposed condition .This includes jointing of pipes and fittings with one stop CPVC solvent cement and testing the joint complete as per direction of EIC	Rm			
	(i)20mm dia	Rm	75		
	(ii)25mm dia	Rm	50		
93	Providing and fixing gun metal gate valve of approved make with CI wheel of approved quality of	No	8		
	(i) 20mm size				
	(ii) 25mm size	No	8		
	Part-L (ELECTRICAL WORKS)				
94	Wiring for light point / fan point/ exhaust fan/ light socket switch with 3X1.5 sqmm copper				

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	conductor FRLS insulated 1100v grade multi strand wires (P+N+E) in concealed / surface using 20/25/32 rigid PVC conduit AKGB brand with all bend, tees, saddle mounting box, cover plate ceiling rose, etc. Where ever required etc.& chromium plate brass screw/rawl plug etc.The circuit wiring start from DB to point control box /switch box using 3x2.5 sqmm copper conductor FRLS insulated 1100V grade multistrand wire (P+N+E) identification ferrules at both end in M.S conduit 16 swg thick complete in all respect. The conduit must be fixed with PVC saddle at every 80cm on surface and conduit to be laid in ceiling with proper clamps/wall floor filling the chase with cement mortar and finish the same in original form/wooden partition above false ceiling chesses filled with cement mortar as required at site Each circuit shall have separate earth wire.All switch socket must be for modular type with M.S. Boxes and plate etc. as required. Note:-.Each circuit shall have independent earth wire each point shall be earthed. Circuit wiring is to be included in point rate wiring. (PLEASE NOTE THAT Colour code - Red-Yellow-Blue wires for phases, Black wire for Neutral and Green wire for Earth must be used).				
(i)	Primary light controlled by one 6A modular one way switch.	No	26		
(ii)	Secondary light controlled by one 6A modular one way switch.(4 DOWNS LIGHT POINTS ARE TO BE CONNECTED FROM PRIMARY DOWN LIGHT POINT IN A CIRCUIT/SWITCH)	No	75		
(iii)	One ceiling fan controlled by one 6A modular switch & speed controlled fan regulator , but switch at switch board level has to provide near the wall fan at designated place for connections. (for each cabin, office workstation area ,lobby & gym)	No	21		
(iv)	One exhaust fan controlled by 6A modular switch, but ceiling rose has to be provide near the exhaust fan for connection. FOR PANTRY & TOILET	No	8		
95	POWER POINTS				
	Do -as above but using 2X4 sqmm copper conductor FRLS wires for the First 16A, 6pin modular socket controlled by 16A switch and second point looped with 2x2.5 sqmm copper conductor wires FRLS insulated 1100V grade (max. 2 points on one MCB). Earth wire shall be 2.5 sqmm copper conductor FRLS insulated wire.. (for each cabin & workstation area ,gym & pantry, conference room)				
(i)	POWER POINT with 4 sqmm copper conductor wire.	No	7		
(ii)	POWER POINT with 2.5sqmm copper conductor wire.	No	9		

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96	AC POINT Point wiring				
	Do as above but using 2X4 sqmm copper conductor FRLS wires with 1X2.5sq.mm FRLS earth wire for AC point. The points shall start from DB/PANEL & shall finish at point including the supply & installation of modular type AC Box (Combined socket, 25/32A C-series SP MCB, 3-pin Top, Metal box) (Hi wall unit 1 tr ,1.5 & 2 TR AC)	No	13		
97	COMPUTER POINT				
	Wiring with 3 x 2.5 sqmm PVC insulated ,1100V grade copper conductor FRLS wires in 2mm thick PVC conduit from UPS DB to computer points. Each point to have 2 nos. 6A 5 pin modular type socket at below the top of table/counter and controlled by one 6A modular Switch and one 10A indicator at above the table top in wooden partition with all accessories. Inner / outer plates, metal box etc and to be fixed on wooden portion/ by grouting on wall etc as per site requirement. (for workstation, cabin & conference room)	No	7		
(ii)	Same as above but looped from first point & from first point to second point in a circuit including first point.	No	14		
98	Wiring for sub main in M.S conduit with the following sizes of FRLS insulated,1100V grade copper conductor wire in surface /recessed on wall / floor/ ceiling as required.				
(i)	2x 6 sqmm + 1x 4 sqmm	RM	40		
(ii)	2x10 sq.mm + 1x 6 sq.mm (For LIGHT DB)	RM	50		
99	Supply, laying, testing and commissioning of 1100V grade XPLE Aluminium armoured Cable with proper clamps along walls/ on existing cable trays/trench / in ground etc. in an approved manner and as per follows;				
(i)	3.5C x 50 sqmm XPLE Aluminium armoured Cable	RM	25		
(ii)	4C x 25 sqmm pvc insulated copper arm cable . (POWER + AC DB)	RM	40		
100	Supplying and making ends termination with brass compression glands and aluminium lugs for following size of XLPE insulated PVC sheathed aluminium conductor cable of 1.1 KV grade as required.				
	Point wiring				
(i)	3.5C x 50sqmm XPLE Aluminium armoured Cable (Main Incomer)	No	2		
(ii)	4C x 25 sqmm pvc insulated copper arm cable .	No	4		
101	Supplying, installing, testing & commissioning of surface/ recessed mountings, Double door 415 volts TPN MCB distribution board of steel steel, 1.6mm thick dust phosphatised and painted, inclusive of 100 amps, tinned copper busbars,				

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	earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire boxl, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and upto the terminal connectors/ neutral link and ready for installation of following ways as required:-				
(i)	10-way TPN DB (POWER & AC DB) Incomer	No	2		
	1 No.63 Amp TPN (10 KA) MCB with 63A DP RCCB (100 MA) each phase.				
	Out going				
	30 Nos. 16/25/32Amp (10 KA) SP MCB,				
(ii)	12 way SBN DB LDB 12 Nos 16/20 AMP. SP MCBs) and 63Amp DP MCB with as incomer.	No	2		
	(FIXING OF LIGHT FITTINGS & ACCESSORIES)				
102	Fixing ,Testing & Commissioning of light fixtures suitable for LED lamps with all components and accessories including but not restricted to reflectors, housings, lamp holders and including cost of ballasts complete as required and as below(excluding cost of fittings).				
(i)	LED Recessed ceiling down light	No	50		
(ii)	LED Pendent Light 4 feet long	No	25		
(iii)	Round LED Suspended light or equivalent	No	10		
(iv)	Wall bracket light	No	10		
(v)	Havells make LED strip with driver (5M length), LHKDO 1005674 & Driven, Cat No. - LHBDO 5160074. or equivalent	No	6		
(vi)	P/F Exhaust Fan (Usha / Crompton Make). FOR PANTRY & TOILET	No	8		
(vii)	Pendent Feature light	No	9		
(viii)	Removing and reinstalling existing Ceiling fan including spray painting and overhauling	No	21		
	Earthing (TESTS ARE TO CARRIED AT SITE & ALL NECESSARY TEST CERTIFICATES AT SITE ARE TO BE ENCLOSED WITH THE BIL				
103	Supply, installation, commissioning and testing of ASHLOK 350 GI , Or Equivalent (Pipe-in-Pipe Technology) Spec: 3 mtr Long/50 mm dia/2.89mm wall thickness /Terminal-32 x 10 mm Inner Pipe / Outer pipe 250-100 micron galvanized. With C.I Chamber Cover. . (T-19)	No	2		
104	Providing and fixing of copper strips wit pressurized heat shrink insulation in surface or	Rm	35		

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	in recess for loop earthing etc. as required. 25mm x 5mm GI strip				
105	Providing and fixing 2X8SWG dia. GI earth wire in PVC conduit on surface or in recess for loop earthing along with the existing surface / recess cable as required.	Rm	150		
106	Supply, installation, testing and commissioning of sheet metal enclosed 250 x 200 x 150(D) mm insulated earth distribution board with 1 nos. 32 x 6 mm copper tinned earth bars suitable for 10/12 nos connections complete with all fixing accessories as required.	No	2		
	MUSIC SYSTEM Point wiring				
107	Supplying ,laying of following PVC insulated ,1100V grade copper conductor wires for music system in 20mm dia 2 mm thick PVC wire for music system 20mm dia. 2 mm thick PVC rigid conduit with all accessories. Such as junction boxes, bends, Tee etc. as required etc. The conduit being laid in ceiling slab or floor, finish, column or wall chess above false ceiling with clamps, screws, hanging support where work etc. making and filling of chess with cement mortar etc as reqd.				
	0.50 sqmm 2 core twisted copper conductor wire	Rm	120		
108	Supply and laying of following size FR PVC conduit complete with support brackets/ clamps, saddles, junction boxes etc. complete accessories as required				
(i)	25 mm Dia FR PVC Conduit 1.6 mm wall thickness	Rm	50		
(ii)	32 mm Dia FR PVC Conduit 2 mm wall thickness	Rm	10		
109	Supplying & fixing of "Phillips" make mini.50 ohm, 6W-10W 150mm dia (max) speakers in false ceiling / on wall / panel including making connections on both ends complete in all respect.	No	11		
110	. Supplying & fixing of Ahuja/ Philips make mixture cum amplifier with 6-channel of 200W with one Ahuja make coded mike	No	1		
111	Supplying & fixing of Philips make DVD/ USB/ FM player	No	1		
	MAIN PANEL AND METER BOARD				
112	Designing, fabrication, supply, installation, testing and commissioning of front operated cubicle type compartmentalised, front access, free standing on 75MM "C" MS channel, dust and vermin proof (IP-42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gasketed (Metal based neoprene) locable doors having structural reinforcement including 3mm thick				

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	<p>gland plates on top and bottom, lifting hooks, G.I earth strip of required size with 2 nos earth terminals, 2 nos 230V AC operated 250mm X 250mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with seven tank process complete with interconnections etc as per specifications as required. As per the following specifications,(Part IV - Sub-station) and IS: 8623 comprising of followings panel mounting switchgears etc. as required.</p>				
	<p>All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley</p>				
	<p>All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The busbars insulation shall be with heat shrinkable sleeves SMC/DMC shrouds and busbar supports shall be used. Padlocking facility shall be provided on all outgoing feeders doors and switch handles shall be locable in OFF position</p>				
	<p>Point wiring</p>				
	<p>All kA values indicated shall be lcs breaking capacity</p>				
	<p>GA drawings shall be got approved by SBI</p>				
	<p>Make: KRYPTON/ADVANCE/AMPTECH/LS POWER CONTROL only</p>				
	<p>Incoming OF MAIN PANEL</p>				
	<p>i) 1no125 Amp 4p On load ACOS (Automatic Change over switch) with 1 No 125 Amps,TPN ,MCCB (35 KA) with extendible rotary handle .each thermal over current, instantaneous, short circuit release, earth fault.</p>				
	<p>Busbar:- 200 Amps 4P aluminium conductor bus bar (BPTM type Heat-shrinkable busbar insulation) supported by SMC/ DMC / FRP insulators</p>				
	<p>LED- R-Y-B phase indicators</p>				
	<p>Digital equalisers or Multifunction meter for recording (Minm size 250mmX250MM)</p>				
	<p>Voltage/Current/Frequency/KwH/KVAH etc with CT/PTs MAKE-CONZERV/C&S/L&T</p>				
	<p>All MCB shall be min 10kA fault rating.</p>				
	<p>OUTGOING:-</p>				
	<p>4Nos. 63Amps, TPN, 10kA, MCB (For Power /AC+SPARE)</p>				
	<p>5Nos. 40 Amp DP;10kA MCB (FOR LDB +SPARE)</p>				
	<p>Complete panel described as above.</p>	<p>No</p>	<p>1</p>		

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113	Supply, installation, testing and commissioning of 40/63 A DP MCB in sheet metal enclosure complete with all fixing accessories	No	1		
	Point wiring cable tray and Race ways				
114	Supplying and fixing of following size of Perforated pre painted ms Cable Trays with perforation not more than 17.5%, in convenient section, joined with connector, suspended from the ceiling with M.S Suspenders including bolts & nuts, painting suspenders etc as required. Rates shall be included tee, band reducers etc				
(i)	300x300 x50 - 2mm thick Cable tray	Rm	25		
(ii)	200x200 x50 - 2mm thick Cable tray	Rm	50		
115	Providing and laying the following openable raceways fabricated from MS steel duly powder coated recessed in floor/on surface/on wall including the cost of cover, gasket under cover, screws etc. and cutting, filling & making good the civil works etc as required and as per sample to be approved by the Architects, complete as required. The rate shall include provision of junction boxes, tees, bends etc.as required.				
(i)	100x100 x38 mm deep with 1.6mm thick	Rm	10		
(ii)	150x150 x38 mm deep with 1.6mm thick	Rm	15		
116	Providing & fixing 150 x 150 x 50 mm deep 1.6 mm thick G.I sheet junction box including providing 3 mm thick stainless steel cover as per specifications.	No	10		
117	Providing & fixing 200 x 200 x 50 mm deep 1.6 mm thick G.I sheet junction box including providing 3 mm thick stainless steel cover as per specifications	No	6		
118	Providing & fixing 100 x 100 x 50 mm deep 1.6 mm thick G.I sheet junction box including providing 3 mm thick stainless steel cover as per specifications.	No	17		
	CCTV SYSTEM				
119	Colour Camera with fixed lens 3.6 mm, 2 inch HAD 530 HTV resolution 0.5 lux, 3.4" Dome Type. (Make:- HIK vision ,Cp plus)	No	9		
	Point wiring				
120	8 Channel Digital Video Surveillance System, record rate 200 FPS – record and viewing, 25 FPS per Camera, with built in Multiplexer, Video motion detection, smart search with TCP – IP connectivity, recording on real time , high quality (24 hours, 15 days), HDD suitable for 24 hours and 15 days recording, Windows 2007 Professional OS, MPEG 4 plus and other options, Resolution – 640 x 480 pixels, suitable for connecting the CCTV's.	No	2		
121	17" TFT Colour Monitor	No	1		

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122	SMPS Based Power Supplies 2AMP Each (for camera power supply)	No	9		
123	Supply and laying of following size FR PVC conduit complete with support brackets/ clamps, saddles, junction boxes etc. complete accessories as required.				
	(i)25 mm Dia FR PVC Conduit 1.6 mm wall thickness	Rm	110		
	(ii)32 mm Dia FR PVC Conduit 2 mm wall thickness	Rm	25		
124	Supply and drawing of the RG 6 co-axial cable for signal.	Rm	225		
125	Supply and drawing of the 3 x 1.5 sq. mm PVC insulated copper conductor cable for camera power including cable glands.	Rm	160		
	SUPPLY & INSTALLATION OF ACCESS CONTROL SYSTEM				
126	Intelligent System Controller - shall Support 8 different card formats, Anti-Passback, 255 access levels, 255 holidays, Elevator control, 255 Time Zones, 13000 cardholders and 25000 transactions, 12VAC or 12DVC, (5 year lithium battery of 3 months full run) 1 MB standard memory , Reader Capacity shall be with a speed of minimum 1000 transactions per minute, TCP/IP connectivity shall be possible.				
	Main Access controller with door control units suitable for 5doors and 5readers & 3 push button as per specifications	Set	1		
	Point wiring				
127	2 Reader door controller (including power supply of each, 2A and 5A)	No	7		
128	HID Make V Station Prox Model (Bioscrypt), this includes V Stations Base model Features and adds an internal HID OEM Proximity Reader)	No	1		
129	Standard Thickness Proximity Cards Prox II Make HID (Blank Faced) with option of printing directly on card complete as per specification.	No	50		
130	Single Electromagnetic Locks - 650 lbs as per specifications	No	1		
131	Double Electromagnetic Locks - 1200 lbs as per specifications	No	6		
132	Magnetic Door Contacts	No	7		
133	Emergency Break Glass interlocking with lock	No	7		
134	Exit push button-Stainless steel button made of aluminium alloy 75 x 75 x 5mm size.	No	7		

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135	Supplying & laying of FRLS multi core shielded flexible PVC insulated copper conductor wires in existing MS conduit complete with cable terminations				
(i)	8 core - Controller to Card Reader	Rm	280		
(ii)	4 core - Controller to E.M. Lock, contact, sensor, exit push button, Buzzer etc.	Rm	140		
136	Supply & Fixing of following size PVC conduit complete with support brackets/clamps, junction boxes etc. complete				
	25 mm Dia PVC. Conduit with 1.6 mm wall thickness	Rm	200		
	32 mm Dia PVC Conduit with 2 mm wall thickness	Rm	40		
	LIGHT FITTINGS				
137	Supply of following light fittings with accessories complete as per requirement				
(i)	Pendent light(in Ground floor Lobby) of 300mm dia 15W	No	6		
(ii)	Recessed slim LED down lighter having dia 170 at locations of Ground floor lobby, Presidents room, conference ,wash rooms and pantry	No	14		
(iii)	Surface mounted LED down lighter 12W in Gym and wash rooms 14dia	No	30		
(iv)	Linear lights(in conference and open offices) down light	No	12		
(v)	Linear lights in Gym 20W	No	11		
(vi)	LED light for wall picture(in conference room, Ground floor/first floor open office, Presidents wash room mirror light) Philips wall light 919215850797(Bronze finish) having length 35.8 cm 7W (suggested color 3000K)	No	15		
(vii)	LED light for mirrors(in toilets and locker rooms) Philips wall light 919215850143 having length 35.2 cm 6W (suggested color 3000K)	No	9		
(viii)	Round IED spot light in 3 display cabinets on ground floor & nitches on first floor 2W	No	40		
(ix)	Surface mounted light in store FF 20W(suggested color 6500K)	No	2		
(x)	Suspension light in Presidents room Philips RING white 4091331 PN size 50.3 cm 12W	No	2		
(xi)	Dome light in cabins and first floor pantry dome 400m dia 25W	No	4		
(xii)	Cove lighting continuous strip 4.8 W per metre	Rm	30		
(xiii)	Providing and installing Split AC of VOLTAS or approved make including copper piping, cable				

JHARKHAND STATE CRICKET ASSOCIATION

INTERNATIONAL STADIUM COMPLEX,
H.E.C. CAMPUS, DHURWA, RANCHI- 834004.

	drain pipes etc. and all other bye works complete				
	(a) 1 Ton AC	No	5		
	(b)1.5 Ton	No	4		
	(c) 2 Ton AC	No	4		
(xiv)	Supplying of 1200 sweep Ceiling fans of approved make	No	4		

TOTAL Amount Rs -----(in words) -----

SIGNATURE OF BIDDER

SEAL