



## JHARKHAND STATE AIDS CONTROL SOCIETY

Department of Health & Family Welfare,  
Sadar Hospital Campus, Purulia Road, Ranchi.



Tender Ref No- 06/JSACS/2020-21

Date: 29.01.2021

### TENDER DOCUMENT Procurement Notice

1.	Name of the work	<b>BUILDING REPAIR &amp; RENOVATION WORKS AT JSACS HEADQUATER OFFICE &amp; DISTRICT OFFICE (DIFFERENT ART CENTRES)</b>
2.	Estimated Cost (Rs.)	Rs. 1,46,45,255/- (Rupees One Crore forty Six Lakhs forty five thousand two hundred and fifty five only.
3.	Time of Completion	6 Months
4.	Date of Publication of Tender on website	30/01/2021
5.	Last date/Time for submission of bids	8/02/2021 UPTO 2:00 PM
6.	Name & address of office Inviting tender	Project Director, Jharkhand State AIDS Control Society, Sadar Hospital Campus, Purulia Road Ranchi.
7.	Contact no. of Procurement officer	<b>0651-2211018</b>

**Further details and subsequent amendments can be seen on website [www.jsacs.org.in](http://www.jsacs.org.in)**

**Note:- BOQ and tender document can be seen website [www.jsacs.org.in](http://www.jsacs.org.in)**

**Sd/-  
Project Director**

**JHARKHAND STATE AIDS CONTROL SOCIETY  
SADAR HOSPITAL CAMPUS, PURULIA ROAD  
JHARKHAND, RANCHI**

**NOTICE INVITING TENDER**

**Tender Reference No.- 06/JSACS/2020-21**

**Date:-29/01/2021**

The undersigned, on behalf of the Jharkhand State AIDS Control Society invites item rate bids for the work mentioned in table below from registered Firms/ agency under Building Construction Department/ Housing/ Municipal Corporation/ Rural Development or any other Government Department Contractors, Government of Jharkhand.

Sl. No.	Name of the work	Estimated Cost (Rs. in Lakh)	Earnest money (Rs. in Lakh)	Cost of Tender Paper (Rs)	Time of Completion	Name of the Concerned office
1	2	3	4	5	6	7
1	BUILDING REPAIR & RENOVATION WORKS AT JSACS HEADQUATER OFFICE & DISTRICT OFFICE (DIFFERENT ART CENTRES)	Rs. 1,46,45,255/-	Rs. 7,30,000/-	Rs. 5,000.00	6 Months	Project Director, JSACS, Ranchi

2. Period of availability of tenders online/date & time of bidding/ last date of seeking clarification/date of opening of tender papers are as given below –

Sl. No.	Place of Opening	Availability of tender on-line website		Date & Time of opening of tender	
		From	To	Opening of technical Bid	Opening of Financial Bid
1	2	3	4	5	6
1	JSACS, Conference hall, Sadar Hospital Campus, Purulia Road, Ranchi -834001	30/01/2021 10.30 A.M.	08/02/2021 01.00 P.M.	08/02/2021 03.00 P.M	To be declared later

- Agreement with Bidders selected shall be eventually drawn in PWD Form No. F2.
- The work shall be completed in all respect in 06 Months from the date of written order to commence the work. The items of work, plan, specifications or any information in connection with the work can be seen in the office of the

Procurement Officer, Jharkhand State AIDS Control Society, Ranchi Jharkhand on any working day during office hours before submitting bid.

5. Cost of tender/bidding document in the shape of demand draft issued by Nationalized Bank, in favour of Project Director, Jharkhand State AIDS Control Society, Ranchi payable at Ranchi and cost of earnest money in the shape of Bank guarantee in prescribed Performa as per annexure-1 from any Scheduled/Nationalized Bank and valid for 90 (Ninety) days from the date of receipt of tender or 6 ½ Years National Saving Certificate (6<sup>th</sup> issue & 8<sup>th</sup> issue) or 3/5 Years Post Office Time Deposit duly pledged from any Post Office within the State of Jharkhand, in favour of Project Director, Jharkhand State AIDS Control Society, Ranchi (by designation only) shall be deposited in the office of the Project Director, Jharkhand State AIDS Control Society, Purulia Road, Ranchi -834001, on all working days between **30/01/2021** to **08/02/2021** up to **02:00 P.M.** either by registered post /Speed post or by hand. Only those applications will be entertained whose cost of tender paper and earnest money is received before **02:00P.M.** on **08/02/2021**. The Procurement Officer, Procurement Cell will not be held responsible for the postal delay, if any, in the delivery of the document or non-receipt of the same.

Insurance Guarantee Bond/Cash/Cheque/Bank Draft in place of those specified for EMD shall not be accepted.

- 5.1 Duly pledged Earnest Money, if any, lying with the concerned Officer/ Designated Engineer-in-charge against work already completed shall not be adjusted by transfer. In such case the tenderer is required to get the same refunded/released and then attach the same with the tender, duly pledged afresh for the work for which tender is filled.
- 5.2 Tender not accompanied with required Earnest Money in the prescribed manner shall be rejected outright and will not be evaluated.
- 5.3 Clauses 5.1 to 5.2 shall not apply to tendere (s) who are exempted from depositing E.M but such tenderer(s) must enclose Photostat copy of the exemption certificate issued by the competent authority in this respect.
6. In case the overall amount quoted by the tenderer/bidder is more than 10 (Ten) % below of BOQ amount of Scheduled Items, this shall be treated as un-workable & the tender shall be treated as invalid tender. The Non Scheduled Items shall also be on Item Rate basis and the rate will be negotiable.

7. It will be obligatory on the part of the tenderer to keep their offer open for acceptance for a period of 180 days from the date of opening of the tender.
8. Tendere(s) shall enclose scanned copy of his/her/their registration & exemption certificate (if any) in absence of which the tender(s) may not be considered.
9. Letter of Registration in any Government organization, Govt. of Jharkhand., PAN Card, GST registration certificate, Updated Character Certificate, Income Tax Return for the last three year, and Work executed and participated during last 3 years with work completion certificate issued by concerned E/I shall be submitted by the tenderer or otherwise it shall be rejected. Priority will be given to tenderers who have completed more number of similar works in last three years in case of other conditions being similar among the bidder.
10. Sales Tax/Income Tax clearance certificate, Labour License, Letter of Registration as contractor, Turnover & Bid Capacity shall be submitted by the tenderer, otherwise it may be rejected.
11. Authority reserves the right to reject any or all the tender(s) received or to allot the work to one or more contractor(s) without assigning any reasons thereof.
12. In the case of successful tenderer (hereinafter called contractor) the amount of E.M.D will be transferred towards Initial Security Deposit in such a manner so that the security deposit will form part of 5% of the approved amount of the approved tender & the remaining 5% shall be recoverable from the subsequent bills of the contractor.
13. The Earnest Money of the successful tenderer (hereinafter called the contractor) which accompany the tender will be forfeited in case the tenderer declines to sign the agreement or fails to deposit Security Money within 10 days of being called upon to do so.

Those contractors, who are exempted from depositing E.M., will deposit initial security money within 10 days of being called upon to do so. If they fail to do so or decline to sign the agreement within the stipulated period, the requisite sum of money will be forfeited by way of adjustment from any sum to be paid to him by the department for other works, including his security money and in addition he may be Black Listed and subsequently his registration may be cancelled.
14. The N.I.T along with general rules, conditions of contract and special conditions of contract copies of which are available on the website –

<http://jsacs.org.in> will form part of the Contract Document.

15. It is essential for the tenderer(s) to have ownership of the following Machineries in working condition:-

(I)	Concrete Mixture	-	3
II)	Needle Vibrator	-	2
III)	Surface Vibrator	-	1
IV)	Bar Bending M/C	-	1
V)	Bar Cutting M/C	-	2
VI)	Welding Machine	-	1
VII)	Truck/Tipper (or 2 times Tractor)	-	1
VIII)	Shuttering Plate with fittings	-	3000Sft
IX)	Stagging Pipe	-	4500 Ft
X)	Water Tanker	-	1
XI)	Generator	-	1

16. It is essential for the tenderer to have minimum technical persons attached with them.
- a. For tender up to value of 1.0 crore  
Diploma holder -2 Nos
- b. For tender above value of 1.0 crore  
Degree holder -2 Nos  
Diploma holder -2 Nos  
Architect -1 Nos
17. Tenderer(s) are required to attach with their tenders authorized and valid certificates regarding their actual ownership of the machineries mentioned in clause 14 above, failing which their claim for allotment of the work may be rejected.
18. Valid certificates of actual ownership of the above-mentioned machineries attached with the tenders must prove that the tenderer / tenderer(s) himself/ themselves are actual bonafide owners of those machineries and the same are in working condition.
19. Payment against works will be made subject to availability of fund.
20. The process of Tendering would be of Two Envelope System. (i) Technical Bid (ii) Financial Bid
21. Minimum Financial Turnover in any one year should not less than the value of work, during previous three financial years.

Escalation factors :

**Years Before**

**Multiply Factor**

One	1.1
Two	1.21
Three	1.33

22. Assessed available Bid Capacity =  $1.5 \times A \times N - B$

where,

A= Maximum Value of Civil Work executed in one Year within last three years (in Lac)

B= Work in hand (Amount of work that has to be done) - in Lac

N= Time of completion (in year) of the scheme as mentioned in N.I.T.

23. The process of tendering shall be on item rate.

24. Available Bid Capacity Shall not be less than the Value of the work.

**Sd/-**  
**Project Director**

## INSTRUCTIONS TO BIDDERS

### (FOR F2 CONTRACT)

Detailed instructions & documents to be furnished for bidding

1. Guidelines for submission of bids can be downloaded from the website [www.jsacs.org.in](http://www.jsacs.org.in)
2. Interested bidders can download the bid from the website; [www.jsacs.org.in](http://www.jsacs.org.in), or obtain it from the Procurement office Jharkhand State AIDS Control Society, Govt. of Jharkhand, Ranchi
3. Proposal will be accepted in physical form.
4. Bids will be opened as per time schedule mentioned in the NIT.
5. Bidders have to produce the original Demand Draft towards tender fee & EMD as mentioned in N.I.T with the technical proposal to the Office of the Project Director, Jharkhand State AIDS Control Society, Govt. of Jharkhand, Ranchi during the period & time as mentioned in the NIT failing which bid will not be accepted. The details of cost of documents, EMD specified in the tender documents should be submitted otherwise tender will summarily be rejected.
7. The department will not be responsible for any delay in submission due to any reason what so ever. No claim shall be entertained on account of disruption of Internet services being used by the bidder. Bidders are advised to submit their bids well in advance to avoid last minute technical snags.
8. All required information for bid must be filled and submitted.
9. Other details can be seen in the bidding documents.
7. Each Document shall be signed by the bidders.
8. Corrigendum/Addendum/Corrections if any, will be published only in the website [www.jsacs.org.in](http://www.jsacs.org.in)
- 9.1 **Technical Bid:** is to be submitted in a sealed envelope, comprising of:
  - a. The Bid Document downloaded from website, signed and stamped by authorized signatory of the bidder on each page of the tender document. The Technical Bid should then be kept in a separate sealed envelope, super scribed as "Technical Bid" with the Name and address of the Bidder.
  - b. Details of documents to be furnished for Technical bid
    - i. D.D. towards Tender fee.
    - ii. Duly pledged EMD

- iii. Letter of Registration in any Government Department
- iv. PAN Card
- v. GST Registration Certificate
- vi. Updated Character Certificate
- vii. Income Tax Return for the last three years.
- viii. Work executed and participated in any work department of Jharkhand during last 3 years with work completion certificate issued by concerned E/I.
- ix. Agency Should have government license for electric works.
- c. Certificates showing details of machineries owned or possessed on hire should be submitted as mention in NIT.
- d. Certificate showing minimum technical persons attached as mentioned in NIT.
- e. Affidavit stating bidder's agreement with the general rules, conditions of contract, special conditions of contract must be submitted with bid in pdf format. The bidder who disagrees on the conditions will not be eligible to participate in the tender.
- f. Affidavit regarding arranging other required equipment and personnel, laboratory etc. in the format appended with the bid document should be submitted in the pdf format.

9.2 **Financial Bid:** A Duly Filled Bill of Quantities as provided in the Tender Document. The financial bid should be kept in a separate sealed envelope, super scribed "Financial Bid" the Name and address of the Bidder.

10.1 The Bidder shall submit his bid in a sealed envelope containing two separate sealed envelopes consisting of

(i) Technical Bid and

(ii) Financial Bid,

clearly subscribing so and the two envelopes shall be kept in another single sealed envelope and duly super scribed.

10.2 The Bid shall be submitted not later than 14:00 hours of (Date) 08TH Feb, 2021 addressed to Project Director, Jharkhand AIDS Control Society, Govt. of Jharkhand, Ranchi.

10.3 Bidders sending their bids through courier should also ensure that their bids are received on the said address by the stipulated date and time. No time extension for couriers shall be granted.



- 10.4 Bids must be received in the office at the address specified above not later than the date and time stipulated in the notification. No Bid shall be accepted after the aforesaid date and time. However the competent authority of the JSACS, Ranchi reserves right to extend the date / time for receipt of bids, before opening of the Technical Bids.
- 11.1 The Eligibility Criteria and the technical bids shall be evaluated based on the available documents submitted by the bidder. To assist in the examination, evaluation, and comparison of the bids, and qualification of the bidders, JSACS, Ranchi may, at its discretion, ask any bidder for a clarification of its bid. Any clarification submitted by a bidder that is not in response to a request by the JSACS, Ranchi shall not be considered. The Client's request for clarification and the response shall be in writing.
- 11.2 Client also reserves right to seek confirmation/clarification from the issuer agency, on the supporting documents submitted by the bidder.
- 11.3 Documents of successful bidder will be verified with the original before signing the agreement. The successful bidder has to provide the originals to the concerned authority on receipt of such letter, which will be sent though registered post or delivered by hand.
- 12.1 JSACS, Ranchi reserves all rights to reject any bid including of those bidders who fail to comply with the instructions without assigning any reason whatsoever and does not bind itself to accept the lowest or any specific bids. The decision of the Competent Authority of JSACS, Ranchi in this regard shall be final and binding.
- 12.2 Any failure on the part of the bidder to observe the prescribed procedure and any attempt to canvass for the work shall render the bidder 's bids liable for rejection.
- 12.3 The competent authority of JSACS, Ranchi reserves the right to award any or part or full contract to any successful agency (ies) at its discretion and this will be binding on the bidders.
- 12.4 In case of failure to comply with the provisions of the terms and conditions mentioned, by the agency that has been awarded the contract, the competent authority of JSACS, Ranchi reserves the right to award the contract to the next higher bidder or any other outside agency and the difference of price shall be recovered from the defaulter agency who has been awarded the initial contract and this will be binding on the bidders.
- 12.5 JSACS, Ranchi may terminate the Contract if it is found that the Contractor is black listed on previous occasions by any of the Government Departments / Institutions / Local Bodies / Municipalities / Public Sector Undertaking etc.

- 13.1 After determining the successful evaluated bidder, Client shall issue a Work Order/ Letter of Acceptance (LoA) in duplicate, who will return one copy to Client duly acknowledged, accepted and signed by the authorized signatory, within Three (3) days of receipt of the same by him/her.
- 13.2 The issuance of the Letter of Acceptance to the bidder shall constitute an integral part and it will be a binding to the contract.
- 13.3 The time taken between the date of issue of LoA and Notice to Proceed shall not prevent the contractor to mobilize the man power and other resources.
- 14.1 Documents of the successful bidder will be verified with the original before signing the agreement. The successful bidder has to provide the originals to the concerned authority.
- 15.1 The successful Bidder shall enter into contract and shall execute and sign the Contract Agreement in accordance with the Articles of Agreement before commencement of the works and services.
- 15.2 Client shall prepare the draft Articles of Agreement in the Proforma included in this Document, duly incorporating all the terms of agreement between the two parties and send the same in duplicate to the successful Bidder for their concurrence.
- 15.3 The successful Bidder shall return the duly concurred copies of the draft Articles of Agreement within a Week of receipt of the draft Articles of Agreement from Client, duly printed on the correct amount of stamp paper, duly adjudicated by the registrar of stamps where the contract is proposed to be executed.
- 15.4 The competent authority of the Client shall sign the Contract agreement and return a copy of the same to the successful bidder.

**SD/-**  
**Project Director**

## **GENERAL RULES**

1. Bidders have to fill in all such information as required in the tender documents.
2. The item rates quoted by the tenderer shall be inclusive of Income Tax, Sales Tax, Royalty or any other Provincial and Central Taxes applicable at that time. Provisional or conditional tender shall not be accepted.
3. The tenderer shall be presumed to have carefully examined the conditions of the contract and specifications of the work. The tenderer will also be deemed to have inspected the work site and to have satisfied himself/ herself/ themselves independently as to the nature, extent and practicality of all works and required road approaches & other means of communication & access to the site, lands, buildings, available for accommodation that may be required for temporary purpose in connection with the contract of work, as also availability of construction materials, location of work site including its climate & other geological characteristic, availability of skilled, semi-skilled & un-skilled labourers. The consequences of the lack of necessary knowledge will be borne entirely by tenderer.
4. The tenderer shall submit a program of the execution of the work along with the tender.
5. The tenderer will maintain watch guards for the safety of the materials, if any, supplied by the department at his own cost.
6. All labourers engaged in the work are to be paid wages as per Minimum Wages Act in force at the time of execution of this work.
7. The tenderer will provide to the labourers, huts for shelter, drinking water and medical facilities at site and keep the site clean at his own cost.
8. Extension of time may be granted on valid ground by the competent authorities as per Government rules and circulars in force and as revised from time to time.
9. On receipt of the written order from the Officer/ Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi the successful tenderer will first deposit the balance amount of initial security deposit (ISD) within the specified period of ten days and then enter into an agreement with Additional Project Director on the basis of the stipulation in the approved tender documents before the issue of work order.
10. The earnest money of the successful tenderer will be forfeited in case the tenderer declines to sign the agreement or fails to deposit initial security money within 10 days of being called upon to do so after approval of the tender by the Competent Authority.
11. The items of works, plans, specification or any other information in connection with the work can be seen in the office of the Officer/ Designated Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi on any working day during office hour before filling the tender.

12. (a) If the rate quoted by the tenderer is above the BOQ rate and the competent officer has approved above the BOQ rate, then the enhancement over the BOQ rates shall not be applicable over the cost of materials applicable as per latest Road Construction Department circular.
- (b) If the tenderer quotes the rate below the BOQ rate and the competent officer approves it, then the reduction over the BOQ rate shall be applicable on all items of work including the cost of materials applicable as per latest Building Construction Department circular.

**Sd/-**  
**Project Director**

## **SPECIAL CONDITIONS FOR F2 CONTRACT**

- 1 The successful tenderer (hereinafter called the Contractor) must maintain a site order book at each work site which will be produced when asked for by the departmental officers for needful. This book must at all times be available at the site and should be produced before any inspecting or supervising officer without fail. The instructions given in the site order book shall be complied by the contractor. A copy of the same should be kept by the Officer/ Designated Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi. The site order book may be submitted to the Officer/ Designated Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi with running account bills, if required, but must be submitted with final bill.
- 2 The contractor should always remain available at the work site, but where it is not so possible for him to do so, he must appoint a representative for the purpose who would be duly authorized by the contractor to receive instructions and carry out instruction of departmental officers, and also to receive letters. He may also delegate to him any other power as he thinks fit, but in every case, he will inform immediately the concerned the Officer/ Designated Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi regarding appointment of such representative along with his name and identity in writing by Regd. Post with A/D.
- 3 If the Royalty clearance certificate for mines/minerals used in the work is not produced with the bill, Royalty will be deducted from the concerned running bill, as per the instruction of the Department of Mines. Production of royalty clearance certificate along with the final bill is a must, failing which final bill will neither be passed nor paid, and for such non-payment or delay in payment, the whole and sole responsibility will be of the contractor alone.
- 4 The contractor shall provide sufficient plant, equipment's and labour and shall work such hours and shifts as may be necessary to maintain the progress schedule. The working and shift hours shall comply with all Govt, rules and regulations in force from time to time during the entire period of execution of the contract work.
- 5 The contractor should get the sample of all the materials approved by the E/I, before collecting the same for use at work site. The sample in sealed glass jars shall be kept in the custody of the E/I.
- 6 The contractor shall have to get tested the strength of cement concrete (both plain & reinforced) for each days casting as per BIS codes. Achievement of the prescribed cube strength is a must. The cost of concrete cubes moulds, curing, carriage of cubes to and from the testing laboratory and all other incidental charges incurred in this regard shall be borne by the contractor.

- 7 The contractor shall conduct as many tests on materials, intermediate products such as concrete mixture / mortar mixture at his own cost. He shall also if required by the E/I, arrange for such test. If the quality of materials appears to be inferior or the portion of the work is found to be defective or unsound, the contractor may be asked to remove and or pull down and re-execute the same at his own cost. The contractor shall bear all costs in this regard, without any relaxation in regard to period of contract.
- 8 For works exceeding Rs.50 (Fifty) Lacs, it will be obligatory for the contractor to keep a properly equipped testing laboratory near the work site at his own cost, where he will get the samples tested as per relevant BIS Code.
- 9 All rejected materials will have to be removed from the site by the contractor, after their rejection, within seven days from the date of written order of the Officer/ Designated Engineer-in-Charge, Jharkhand State AIDS Control Society, Ranchi, failing which the Officer/ Engineer-in-Charge, JSACS, Ranchi will get these removed in whatsoever manner he thinks fit and will recover the cost involved for such removal from the contractor after lapse of seven days time.
- 10 If the actual lead of materials like stone metal, stone chips, boulder, bricks, sand, moorum etc., is found to be less than the lead provided in the BOQ, then its payment will be made proportionately on reduced rate. (Reduction in rate will be made in the ratio of approved rate and rate provided in the BOQ remaining the same).
- 11 It will be essential to do all items of Building works (Original work) in sequence in a scientific manner. Work shall be executed in a such a manner which leads to progress of all items of work simultaneously Floor-wise/Block-wise always from one end to the other, so that the complete road is available for use in one stretch from that very end
- 12 The department reserves the right of omitting or suspending the construction or changing site etc., if considered necessary at any stage.
- 13 The work incidental to items included in the BOQ shall not be paid extra and the tendered rates are deemed to include these:-
  - (i) Site clearance such as clearing of shrubs, bush, wood-undergrowth & small trees not exceeding 12" in girth measured at 3' above the ground.
  - (ii) Setting out works, profile, lay-out etc.
  - (iii) Benching or excavation of foundation trenches.
  - (iv) Excavation for insertion of planking and shuttering.
  - (v) Forming (or leaving) stop in sides of deep excavation & their removal after measurement.
  - (vi) Bailing out rain water/and or surface water in case the excavated foundation trenches were filled up by these.
- 14 CLAIM SHALLNOT BE ADMISSIBLE under following circumstances: -
  - a) Extra items of work done without written order of competent departmental officer.
  - b) In case of sudden fluctuation and / or increase in rates of labour, materials, royalty, various taxes, railway freight, fuel, lubricants, carriage cost etc. at any stage of the work

- c) Non-availability of labour of any category required for the work.
  - d) Labour sitting idle due to any reason / cases.
  - e) Delay in communication regarding any changes or modification in design, drawing, specification, alteration & addition etc.
  - f) Loss sustained due to: -
    - 1) Acts of enemies including agitation by Public and Riot.
    - 2) Transportation and Procurement difficulties.
    - 3) Natural Calamities.
    - 4) Any other circumstances beyond human control.
- 15 Extension of time, if justified, may be granted by the different competent officers for different periods of time, for different types and values of works as per rules / circulars / guidelines in force. Otherwise penalty for non-fulfillment of the contract may be imposed, after giving due consideration for poor progress at different stages of works without valid and satisfactory reasons. The Officer granting such extension of time has the full liberty to weigh & examine the circumstances which led to such requirement for fulfillment of contract, and use his own discretion for passing final orders, which shall be treated as final and shall be binding and conclusive on the contractor.
- 16 The contractor shall, if required by the E/I arrange to test materials at site or get them tested in recognized departmental testing laboratories at his own cost in order to prove their soundness and sufficiency as per specifications laid down. The number of tests required for different items will be specified by the E/I.
- 17 The tenderer will have to enclose an affidavit as per format annexed for arranging the Batch Mix Plant/Concrete Mixture, Transit Mixture, Vibrator and other equipment shown as credential, not specifically required to be owned, on hire or otherwise, as may be necessary for completion of this specific work.
- 18 The successful tenderer shall be bound to adhere to and follow rigidly the labour laws in vague or which may come into force even after execution of the contract agreement with regard to payment to workmen of their wages, compensation for incurring injuries or meeting death while engaged in actual work and registration with the appropriate labour authorities and sales tax department, failure on the part of the successful tendered to fulfill these statutory requirement will empower the engineer-in charge to rescind the agreement and make good form the bills and other dues of the tendered. The amount payable by him to the workmen on the government short of recondition of agreement the Engineer-in charge may enforce other penal action/legal action also on this scope against the tendered.
- 19 The tendered must offer with their tenders a time schedule of construction / bar chart according to which it is proposed by him to complete the work within the time stipulated

in the tender. This will however be subject to modification and approval of the Engineer-in charge. The successful tenderer shall be offer temporary site free of cost for erecting his temporary field office, workshop, stores and labour hutments. On completion of work there will have to be removed and the site properly dressed and cleared to the satisfaction of the Engineer-in charge at his own cost the overall completion of the work shall be reckoned on the date that the above sale clearance is done after completing the building as per agreement and specification

- 20 The responsibility for the safety and specification of the temporary works mentioned in Para- 18 and 19 above shall be responsibility.
- 21 The payment for final bill will not be made until the contractor has handed over vacant possession of the land vide para-19 above to the Engineer-in charge.
- 22 All Building materials and hardware collected at the site for the construction shall be so stored that it may be possible and convenient for instruction by the Engineer-in-charge or his representative at all time.
- 23 The rates entered into contractor agreement shall be final and conclusive nothing extra beyond them shall be payable either on account of price hike, increase in taxation rates and increase in freights and fare etc.
- 24 During the execution of the work the contractor shall be bound to furnish a monthly programmed of work according to which he will work after obtaining approval of Engineer in charge or his representatives.
- 25 The work shall be deemed to have been completed only after the contractor has obtained a certificate to this effect from the engineer-in charge.
- 26 The period of defect liability shall be 12 (Twelve) months from the date of completion as certified by the Engineer-in charge during which it shall be incumbent upon the contractor as maintain and make good all the damages in the building.
- 27 The site for construction shall have to be properly cleaned to at least 5 feet all-round the site, all roots of trees and plants shall have to be taken out completely and holes filled up with earth and rammed. The trees which come under the building site, shall be up rooted completely and stacked at least 5 feet beyond the construction site after obtaining and stacked at least 5feet beyond the construction site, after obtaining permission in writing from Engineer-in charge after completion of construction the site shall have to be nearly dressed and leveled and all surplus materials shall be removed from the premises for these works no extra payments shall be made to the contractor.



- 28 The contractor shall engage technical staff for execution of the work as the work as required and approved by the Engineer-in-charge.
- 29 The decision of the Engineer-in-charge in respect of the quality of materials and workmanship shall be final conclusive upon the contractor
- 30 The contractor shall be free to use his own truck registered in his own name or in the name of any of his partner for the transportation of materials otherwise he will have to use public carrier for the purpose.
- 31 The tender being an item rate, the Engineer-in-charge shall be empowered to call upon the contractor to work for quantities same or less than these stipulated in the tender document and the contractor shall be bound to execute such order.
- 32 Any tax payable under local rules and acts shall be borne by the contractor entirely on his own cost.
- 33 The employer reserves right to split up the works amongst more than the tenderers for which no claim will be entertained.
- 34 Safety precaution as lay down in the safely codes shall be taken by the contractor during execution of the work.
- 35 Any work, which does not confirm to the B.C.D/ C.P.W.D. specification standard, shall be dismantled for re-doing by the contractor at his own cost.
- 36 Every tender must be accompanied with the forwarding where in the details of earnest money. Registration number of any other matter which the tendered wishes to mention.
- 37 The tenders before offering for the work are expected to inspect the site of work and acquaint themselves with the situation obtaining there with regard to the liability of Labour and materials no claim on account of lead of varies items of building material will be admissible as the rate for each item is for complete job.
- 38 The materials and workmanship should confirm strictly and rigidity to the B.I.S specification/B.C.D. Specification as mentioned in tender document.
- 39 The articles of building hardwares e.g. brick khoa, surkhi lime stone ballast fine and coursed aggregate, timbers, hinges, bolts handles, screws glass steel windows and doors and other miscellaneous items shall be of best quality available at the time and shall be used only after the Engineer-in charge gave approved them In this behalf the decision of the Engineer-in-charge shall boot be opened to challenge or question by the contractor.

- 40 The rates for R.C.C. Work shall be inclusive of centering shuttering, Ming laying and curing and exclusive of cost of reinforcement, bonding binding and placing.
- 41 The contractor shall be bound to make arrangement for first aid for the workmen at the site of work and make arrangement at his own cost for medical treatment of workmen injured seriously at the site in course of execution of work.
- 42 Where in case of any dispute between the workmen and the contractor regarding payment of wages. The Engineer-in charge will have full power to pay the wages of such workmen after he has satisfied himself after enquiry that the claims of workmen after he has satisfied himself after enquiry that the claims of workmen are correct and justified and such payment by the Engineer-in-charge shall be adjusted from the dues of the contractors.
- 43 The quoted rate shall be inclusive of sales tax under the Bihar Finance Act, 1984 on works contract together with all Jharkhand Taxes, including Labour Tax.
- 44 The contractor will make his own arrangement for watch and ward and may loss of Govt. materials/or other materials will be to the account of the contractor.
- 45 All materials to be supplied by the tendered for use in work should be got approved in writing by the Engineer-in-charge that it is proper tousle in the work. All rejected materials will have to be removal at his own cost from the site after rejection otherwise department may dispose them as they like and also recover the cost of removal from the site.
- 46 All works should be got approved and passed by the Engineer-in-charge in writing before they are filled up covered and finished as the case may be.
- 47 The agreement will be drawn in standard form F-2 contractor agreement of the P.W.D (Building) Govt of Jharkhand. The N.I.T and the special condition will form part of the agreement. The standard form F-2 may be inspected in the office of the Officer/ Designated Engineer-in-Charge, JSACS, Ranchi
- 48 Tenderer(s) may not entertain those contractors whose performance of works have been found unsatisfactory and in on record.

**Sd/-**  
**Project Director**

## **CONDITIONS OF CONTRACT**

**Clause 1 :-** All compensation or other sums of money payable by the contractor to Government under the terms of his contract may be deducted from or paid by the sale of a sufficient part of his security deposit, or from the interest arising there from, or from any sums, which may be due or may become due to the contractor by the Government on any account whatsoever, and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall within ten days thereafter, make good in cash or Government securities endorsed, as aforesaid, any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof.

**Clause 2 :-** The time allowed for carrying out the work, as entered in the tender, shall be strictly observed by the contractor and shall be reckoned from the date on which the written order to commence work is given to the contractor. The work shall, through-out the stipulated period of the contract, be carried on with all due diligence (time being deemed to be the essence of the contract on the part of the contractor) and the contractor shall pay as compensation an amount equal to 0.5 percent on the amount of the estimated cost of the whole work as shown by the tender for every day that the work remains un-commenced or unfinished after the proper date. And further to ensure good progress during the execution of the work the contractor shall be bound in all cases in which the time allowed for any work exceeds one month to complete one fourth, of the whole of the work before one-fourth of the whole time allowed under the contract has elapsed, one-half of the work before one-half of such time elapsed and three-fourth of the work before three fourth of such time has elapsed in the event of the contractor failing to comply with this condition. Contractor shall be liable to pay as compensation an amount equal to 0.5 percent on the said estimated cost of the whole work for every day that the due quantity of work remains incomplete provided always that the entire amount of compensation to be paid under the provisions the clause shall not exceed 10 percent of the estimated cost of the work as shown in the tender.

**Clause 3:-** In any case which under any clause or clauses of or this contract the contractor shall have rendered himself liable to pay compensation amounting to the whole of his security deposit in the hands of Government (where paid in one sum or deducted by installments) the Executive Engineer on behalf on the Jharkhand Government shall have been powered to adopt any of the following courses as he

may deem best suited to the interest of Government.

- (a) To rescind the contract (of which rescind notice in writing to the contractor under the hand of the Officer/ Designated Engineer-in-charge shall be conclusive evidence) and in which case the security deposit of the contractor shall start forfeited and be absolutely at the disposal of Government.
- (b) To employ labour paid by the Public Works Department and to supply materials to carry out the work, or any part of the work debiting the construction with the cost of the labour and the price of the materials (of the amount of which cost and price certificate of the Engineering-charge shall be final and conclusive against the contractor), and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract, the certificate of the Executive Engineer as to the value of the work done shall be final and conclusive against the contractor.
- (c) To measure up the work of the contractor and to take such part of the work of the contractor as shall be unexecuted out of his hands, and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor if the whole work had been executed by him( of the amount of which excess the certificate in writing of the Executive Engineer shall be final and conclusive ) shall be born and paid by the original contractor and made be deducted from any money due to him by Government under the contract or otherwise , or from his security deposit or the proceeds of sale there of , or a sufficient part thereof.

In the event of any of the above courses being adopted by the Officer/ Designated Engineer-in-charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagement, or made advances on account of or with a view to execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, contractor shall not be entitled to recover or be paid any sum of any work there-to-fore actually performed under this contract unless and until the Executive Engineer shall have certified in writing the performance of such work and the value payable in respect thereof and he shall only entitle to be paid the values so certified.

**Clause 4 :-** In any case in which any of the powers, conferred upon the Officer/

Designated Engineer-in-charge by clause 3 thereof shall have become exercisable and the same shall not be exercised the non-exercise thereof shall not constitute waiver of the conditions here and such power shall notwithstanding be exercisable in the event of any future case of default by the contractor for which by any clause or clauses hereof he is declared liable to pay compensation amounting to the whole of his security deposit and the liability of the contractor for past and future compensation shall remain unaffected in the event of the Executive Engineer putting in force the powers vested in him under the proceeding clause he may, if so desires, take possession of all or any tools, plants, materials and store, in or upon the works of the site thereof or belonging to the contractor or procured by him and intended to be for the execution of the work or any part thereof of paying or allowing for the same in the contract at the account rates, or in case of these not being applicable at current market rates to be certified by the Officer/ Designated Engineer-in-charge whose certificate thereof shall be final, otherwise the Officer/ Designated Engineer-in-charge whose certificate thereof shall be final, otherwise the Officer/ Designated Engineer-in-charge may notice in writing to the contractor or his clerk of the work, foreman or other authorized agent require him to remove such tools, plants, materials or stores from the premises within a time to be specified in such notice) and in the event to the contractor failing to comply with any such requisition the Executive Engineer may remove them at the contractor expense or sell them by action or private sale on account of the contractor expense or sell them by action or private sale on account of the contractor and at his risk in all respect, and the certificate of the Executive Engineer as to the expense of any such removal and the amount of the proceeds and expense of any such sale be final and conclusive against the contractor.

**Clause 5 :-** If the contractor shall desire any extension of the time for completion of the work, on the ground of his having been unavoidably hindered in its execution or on any other ground other than those mentioned in clause 12(a) he shall apply in writing to the Officer/ Designated Engineer-in-charge within 40 days from the date of starting of the hindrance on account of which he desires such extension as aforesaid and the Officer/ Designated Engineer-in-charge shall, if in his opinion (which shall be final) reasonable grounds be shown there of authorized such extension of time, if any as may in his opinion be necessary or proper. The Officer/ Engineer-in-charge shall at the same time inform the contractor whether he claims compensation for the delay.

**Clause 6 :-** On completion of the work, the contractor shall be furnished with a certificate by the Officer/ Designated Engineer-in-charge of such completion, but not such certificate be given, not shall be work nor shall the work be considered to be complete until the contractor shall have remove from the area of the premises ( to be distinctly marked by the Officer/ Designated Engineer-in-charge in the site plan) on which the work shall be executed all scaffolding surplus materials, and rubbish, and cleaned of the dirt from all wood-work, doors, windows, walls, floors or other parts of any building, in upon or about which the work is to be executed, or which he may have been measured by the officer of the Public Work Department in accordance with rules of Department whose measurements shall be binding and conclusive against the contractor, If the contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and cleaning off dirt on or before the date fixed for completion the work, the Officer/ Designated Engineer-in-charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish and dispose of the same as the thinks fit and clean of such dirt as aforesaid and the contractor shall forth with pay amount of all expense so incurred, and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid, except for any sum actually realized by the sale there of.

**Clause 7 :-** A bill shall be submitted by the contractor each month or before the date fixed by the Officer/ Designated Engineer-in-charge for all work executed in the previous months and the Officer/ Designated Engineer-in-charge or his subordinate shall take the requisite measurement for the purpose of having the same verified and the claim , as for as admissible, adjusted, if possible, before the expiry of the days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-charge or his subordinate shall measure up the said work in the presence of the contractor whose counter signature on the measurement list will be sufficient warrant, and the Designated Engineer-in-charge or his subordinate shall prepare at bill form such list which be binding to the contractor in all respects. Provided that, if any balance of the 10% security is outstanding from each such payment shall be deducted so much not exceeding 5% may be necessary to make up the balance of the security. All such intermediate payment to the contractor shall be regarded as payments by way of advance against the final payments only and not as payments for work actually done and completed and shall not precede the reputing of bad, unsound and imperfect or unskillful work to be removed and taken away and reconstructed or recreated be considered as an admission of due performance of

the contractor, determine or affect in any way the powers of the Engineer-in-charge under these conditions or any of them as so the final settlement or adjustment of the accounts or in any other way vary or affect the contract.

**Clause 8 :-** The final bill shall be prepared by the office of the Public Work Department in accordance with the rules of the department in the presence of the contractor within the month of the date fixed for completion of the work.

**Clause 9 :-** If the specification or estimate of the work provides for the use of any special description of material to be supplied from the Designated Engineer-in-charge stores or if it is required that the contractor shall use certain stores to be provided by the Designated Engineer-in-charge under the conditions of this contract or (such materials and stores, and the prices to be charged therefore as herein after mentioned being so far as practicable for convenience of the contractor, but not so as in any way to control the meaning or effect of this contract are specified in schedule or memorandum here to annexed) the contractor shall be supplied with such materials and stores noted in the annexed such schedule required from time to time to be used by him for the purposes of the contract, only and the value of the full quantity of materials and stores so supplied at the only and the value of the full quantity of materials and stores so supplied at the rates specified in the said schedule may be set off or deducted from any sums then due or thereafter to become due to the contractor under the contract or otherwise, or against or from the security deposit, or the proceed of sale thereof, if the same is held in Government security the same or sufficient portion thereof in this case sold for the purpose. All materials supplied to the contractor shall remain the absolute property of Government and shall not on any accounts be removed from this site of the work and shall at all times be open to inspections by the Designated Engineer-in-charge. Any such materials unused and in correctly in good condition at the time of the completion or determination of the contract shall be returned to the Designated Engineer-in-charge store, at the prevailing market rate or at the issue rate whichever is less if by a notice in writing under his hand he shall so require, but the contractor shall not be entitled to return any such materials unless with such consent and shall have no claim for compensation on account of any such materials so supplied to him as aforesaid being unused by him, or for any wastage to or any such materials.

**Clause 10:-** The contractor shall execute the whole and every part of the work in the

most substantial and workman like manner, and both as regards materials and otherwise in every respect in strict accordance with the specifications . The contractor shall also confirm exactly, fully and faithfully to designs, drawings, and instructions in writing relation to the work signed by the Designated Engineer-in-charge and lodged in his office and to which the contractor shall be entitle to access at such office, for purpose of inspection during office hours, and the contractor shall, if he so require be entitled at his own expenses to make or cause to be made copies of the specification , and of all such designer's, drawings and instructions as aforesaid.

**Clause 11:-** Project Director shall have power to make any alteration in additions to the original specification, drawings and instructions that may appear to him to be necessary or advisable during the progress of the work. The contractor shall be bound to carry out the work in accordance with any instructions , which may be given to him in writing signed by the Designated Engineer-in-charge , and such alteration shall not invalidate the contract and any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do for completion of the work shall be extended in the proportion that the additional work. The time for completion of the work shall be extended in the proportion that the additional work bears to the original contract work and the certificate of the Designated Engineer-in-charge shall be conclusive as to such proportion and to the additional work includes any class of work, for which no rates is specified in this contractor then such class of work shall be carried out at the rates entered in the sanctioned schedule or rates of the locality during the period when the work is being carried on and if such last mentioned class of work is not entered in the schedule of rates of the district then the contractor shall within seven days of the dated of his receipt of the order to carry out the work inform the Designated Engineer-in-charge does the rates which in his intention to charge for such class of work and if the Designated Engineer –in-charge does not agree to this rate he shall be noticed in writing be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable provide always that if the contract shall commence work or in our any expenditure in regard thereof before the rate shall have been determine as lastly herein before mentioned then and in such case he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the work carried out or expenditure incurred by him prior to the date of the determination of the rates as



aforesaid according to such rate or rates as shall be fixed by the Designated Engineer-in-charge in the event of a disputes the decision of the superintending engineer of the circle will be final.

Provide always that the contractor shall not be entitled to any payment for any additional work done unless he has received an order in writing from the Engineer-in-charge for the additional work the contractor shall be bound to submit his claim for any additional work done during any month on or before the 15<sup>th</sup> days other following month accompanied by a copy of the order in writing of the Designated Engineer-in-charge for the additional work and that contractor or shall not be entitled to any payment in respect of such additional work if be other submit his claim within date aforesaid period.

**Clause 12:-** If at any time after the commencement of the work the Government of Jharkhand shall for any reason whatsoever not require the whole thereof as specified in the tender to be carried out, the Designated Engineer-in-charge shall give notice in writing of the fact to the contractor who shall have no claim to any payment of compensation whatsoever on account of any profit or advantage. Which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out neither shall be have any claim for compensation by reason of any alternation having been made in the original specification, drawing, designs and instruction which shall involve any installment of the works as originally contemplated clause 12(a) As contained in GO 1929 dated 11.09.56.

**Clause 12 (a):-**The contractor shall not be entitled to claim any compensation for loss suffered by him on account of delay by or on behalf of Government in the supply of materials as stores which the Government may have undertaken to supply where such failure is due to:-

- (i) Natural calamities,
- (ii) act of enemies,
- (iii) transport and procurement difficulties or
- (iv) circumstances beyond the control of the State Government.

In case of such failure in delay in the supply of materials or stores on an application by the contractor within 30 days form the date of such failure of delay, such extension of time shall be granted to the contractor for completion of the work as shall appears to the Engineer to be reasonable in accordance with the

circumstances of the case. The decision of the Executive Engineer as to the extension of time shall be accepted as finally by the contractor.

**Clause 13:-** If it shall appear to the Designated Engineer-in-charge or his subordinate in charge of the work that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of any inferior description, or by any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for at otherwise not in accordance with the contract, the contractor shall on demand in writing from the Engineer-in-charge specifying the work materials or articles complained of notwithstanding that the same may have been inadvertently passed certified and paid for forthwith rectify or remove and reconstruct the work so specified in whole or in part, as the case may require, or as the case may be remove the materials or articles so specified and provided other proper and suitable materials or articles at his own proper charge and cost, and in the event of his falling to do so within a period to be specified by the Designated Engineer-in-charge to his demand aforesaid, then the contractor shall be liable to pay compensation at the rate of one percent, on the his failure to do so shall continue and in the case of any such failure the Designated Engineer-in-charge may certify or remove, and re-execute the work or remove and replace with others the materials or articles complained of as the case may be the risk and expense in all respects of the contractor.

**Clause 14 :-** All work under or in course of execution or executed in presence of the contract shall at all times be open to the inspection and supervision of the Engineer-in-charge and his subordinates and the contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Designated Engineer-in-charge or his subordinate to visit the work shall have a responsible agent duly accredited in writing present for that purpose. Order given to the contractor's agent duly accredited in writing present for that purpose. Order given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

**Clause 15:-** The contractor shall give not less than five days' notice in writing to the Designated Engineer-in-charge or his subordinate-in-charge of the work before covering up or otherwise placing beyond the reach of measurement of any work in order that the same may be measured and correct dimensions there of the taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement of any work without the consent in writing of the Engineer-in-charge or his subordinate-in-charge of

the work shall be covered up or placed beyond the reach of measurement without such notice have been given or consent obtained, the same shall be uncovered at the contractor's expenses or in default there on payment or allowance shall made for such work on material with which the same was effected.

**Clause 16:** -If the contractor or his work-people, or servants shall break, deface injure or destroy any part of a building in which they may be working or any building, road, road curves, fence enclosure water pipes, cables, drains electric or telephone posts or wires, trees, grass or grassland or cultivated ground contiguous on which the work or any part of it is being executed or if any damage shall happen to the work. While in progress from any cause what so ever or any imperfection become apparent in if within three months (six months in the case of a road-work) after a certificate final or other of its completion shall have been given by the Designated Engineer-in-charge as aforesaid the contractor shall make the same good at his own expense , or in default, the Engineer-in-charge may cause the same to be made be good by other work men and deduct the expense of which time thereafter may become due to the contractor, or from his security deposit, or the proceed of sale there of or of a sufficient portion there of the security deposit at the contractor shall not be refunded before the expiry of three months (six months in the case of a road work) after the issue of the certificate final or otherwise of completion of work provided that in the case of a road work if in the opinion of the Engineer-in-charge behalf of the security deposit will be refundable after three months of the issue of the said certificate of completion.

**Clause 17:-** The contractor shall supply at his own cost all materials(except such special materials) if any as may in accordance with the contract be supplied from the Designated Engineer-in-charge's stores) plants, tools, application, implements, ladders, cordage tackle scaffolding and temporary works requisites or proper for the proper execution of the work whether original, altered or substituted and whether include in the specification or other documents forming part of the contract or referred to in these conditions or not or which may be necessary for purpose of satisfying or complying with the requirement of the Engineer-in-charge as to any matter as to which under these conditions he is entitled to be satisfied which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of person with the means and materials necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and form time to time of the work or materials failing his so doing the

same may be provided by the Designated Engineer-in-charge at the expense of the contractor and the expenses may be deducted from any money due to the contractor under the contract from his security deposit or the proceeds of sale thereof or a sufficient portion thereof. The contractor shall also provide all necessary fencing and lights required to protect the public from accident, and shall be bound to bear to expenses of defense of every suit action or other proceeding at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to any such person of which may with the consent of the contractor be paid to compromise any claim by any such person.

**Clause 18:-** No female labour shall be employed within the limits of cantonment. The contractor shall not employ for the purpose of his contract any person who is below the age of twelve years and shall pay to each labour for the work done by such laborer wage not less than the wages paid for similar work in the neighborhood.

The Officer/ Designated Engineer-in-charge shall have the right to enquire into the case and decide any complaint alleging that the wages paid by the contractor to any labourer for the work done by such labour is less than the wages paid for similar work in the neighborhood. The officer-in-charge of the work shall have the right to decide whether any labourer employed by contractor is below the age to twelve years and to refuse to allow any labourer whom he decided to be below the age of twelve years to be employed by the contractor.

**Clause 19:-** The contractor shall not be assigned or subject without the written approval of the Officer/ Designated Engineer-in-charge And if the contractor shall assign or subject his contract or attempt so to do or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt so to or if any bribe, gratuity, gift loaned, perquisite, reward or advantage, pecuniary or otherwise, shall either directly or indirectly be given promised, or offered by the contractor or any of his servant or agents to any public officer or person in the employ of Government any way relating to his officer or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract Officer/ Designated Engineer-in-charge may there upon by notice in writing rescind the contract the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of Government and the same consequence disposal of Government and the same consequences shall ensure as if the contract had been resident under clause 3 here of, in addition the contractor shall not be entitled to recover or be paid for any work therefore actually

performed the under the contract.

**Clause 20:-** All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied for the use of government without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

**Clause 21:** - In the case of a tender by partners, any change in the constitution of the firm shall be forthwith notified by the contractor to the Designated Engineer-in-charge or this information. In case of failure to notify the change in the constitution within fifteen days the Designated Engineer-in-charge, may by notice in writing, rescind the contract and the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of Government and the same consequences shall ensue as in the contract has been rescinded under clause 3 hereof , and in addition the contractor shall not be entitled to recover or be paid for any work heretofore actually performed under the contractor.

**Clause 22:** - All work to be executed under the contract shall be executed under the direction and subject to the approval in all respect of the Additional Project Director for the time being who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

**Clause 23:** - delegated vide Bihar R.C.D. Letter No. A2/Rule 08/92-6113(S) dt.18.11.1992.

**Clause 24:** - When the estimate on which a tender is made includes lump sum in respect of the contract shall be entitled to payment in respect of the items of the work involved of the work in question the same rates as are payable under this contract for such terms. If the part of the work in question is not in the opinion of the Designated Engineer-in-charge, capable of measurement. The Engineer-in-Charge may at his direction pay the lump sum amounts entered in the estimate and the certificate in writing of the Designated Engineer-in-charge shall be final and conclusive against the contractor with regard to any sum payable to him under the provision of this clause.

**Clause 25:** - In the case of any class of work for which there is no such specification at is mentioned in rule 1, such work shall be carried out in accordance with the circle specification in the event of there being no circle specification, then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-charge.

**Clause 26:** - The expression "Work" or "Works" where in these conditions shall, unless there be something either in the subject or context repugnant to such constructions be constructed and taken to mean the work by or virtue of the contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.

**Clause 27:-** The terms and conditions of the agreement have been read/explained to me and .....certify..... Clearly understand them.

**Witness**

**Contractor**

## **Annexure-I**

### **EARNEST MONEY (BANK GUARANTEE)**

WHEREAS, \_\_\_\_\_ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated [date] for the construction of [name of Contract hereinafter called "the Bid"].

KNOW ALL PEOPLE by these presents that We \_\_\_\_\_  
[name of Bank] having our registered office at \_\_\_\_\_  
(hereinafter called "the Bank") are bound unto Project Director, JSACS, Ranchi in the sum of Rs. \_\_\_\_\_ (amount of earnest money in words ) for which payment well and truly to be made to the Project Director, JSACS, Ranchi the Bank itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this      day of , 20\_

THE CONDITIONS of this obligation are:

- (1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified;  
OR
- (2) If the Bidder having been notified of the acceptance of his bid by the Project Director, JSACS, Ranchi during the period of Bid Validity:
  - (a) fails or refuses to execute the F2 Agreement or
  - (b) fails or refuses to furnish the Security deposit, in accordance with condition of contract.

We undertake to pay to the Project Director, JSACS, Ranchi up to the above amount upon receipt of his first written demand, without the Project Director, JSACS, Ranchi having to substantiate his demand, provided that in his demand the Project Director, JSACS, Ranchi will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above mentioned two conditions and specify the occurred condition or conditions.

This Guarantee will remain in force up to and including the date \_\_\_\_\_ \*\* days after the deadline for submission of Bids as is stated in the Instructions to Bidders or as it may be extended by the Project Director, JSACS, Ranchi notice of which extension(s) to the Bank is hereby waived and notice to the bidder would constitute sufficient notice to the Bank. Any demand in respect of this guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE \_\_\_\_\_

( of Issuing Banker)

(Signature of Witness) \_\_\_\_\_ SEAL \_\_\_\_\_

---

[Name and Address]

\* The Bidder should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in the bid document.

\*\* 45 days after the end of the validity period of the Bid.



## Annexure-2

### AFFIDAVIT

1. I, .....the undersigned, swear that after receiving the letter of award of work, I will arrange the requisite tools and machinery viz..... and other such equipment other than those specifically required to be owned by purchase, lease or hire and submit the proof thereof, at the time of execution of the Tender/Agreement.
2. I, .....the undersigned swear that, I will employ a degree holder engineer with at least 3 years' experience or a diploma holder engineer with at least 5 years' experience for the above work.
3. I, .....the undersigned swear that, I will establish a fully equipped site laboratory for the aforesaid work with a trained laboratory technician.
4. I, .....do authorize the Project Director, JSACS, Ranchi to cancel the award and also forfeit the security money already deposited with the department in case the Para 1, 2 & 3 as mentioned above is not fulfilled.

\_\_\_\_\_  
(Signed by an authorized officer of the Firm)

.....

Title of officer

.....

Name of Firm

.....

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

## BILL OF QUANTITY

**Name of Work : Building Repairing & Renovation Works at JSACS Headquarter Office & District Office  
(Different ART Centres) For The Year 2020-2021**

TOTAL OF 193 SCHEDULE ITEMS							
TOTAL OF 18 NON-SCHEDULE ITEMS							
TOTAL OF SCHEDULE ITEMS AND NON-SCHEDULE ITEMS							
EARNEST MONEY							
COST OF B.O.Q.							
TIME OF COMPLETION							
Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
1	5.10.1	Dismantling pucca brick or lime work including stacking serviceable materials in countable stacks within 15M lead and disposal of unserviceable materials with all leads all complete as per direction of E/I.	2.477	cum			
2	5.10.3	Dismantling R.C.C. work including stacking serviceable materials in countable stacks within 15M lead and disposal of unserviceable materials with all leads all complete as per direction of E/I.	4.329	cum			
3	5.10.4	Dismantling patent stone floor including stacking serviceable materials in countable stacks within 15M lead and disposal of unserviceable materials with all leads all complete as per direction of E/I.	350.987	sqm			
4	5.10.10	Taking down old door and window shutters including stacking serviceable materials with all leads all complete as per direction of E/I.	11.358	nos			
5	5.10.11	Taking down chaukhats in doors including stacking serviceable materials with all leads all complete as per direction of E/I.	12.000	nos			
6	5.10.12	Taking down chaukhats in windows including stacking serviceable materials with all leads all complete as per direction of E/I.	4.000	Each			
7	5.10.15	Taking down C.A. of G.C.I. sheet in roofs with ridges including stacking the serviceable materials within 15M lead and disposal of unserviceable materials with all leads as per direction of E/I.	23.420	sqm			
8	5.1.1	Earthwork in excavation in foundation trenches in ordinary soil (vide classification of soil item - A0 and disposal of excavated earth as obtained to a distance upto 50M including all lifts levelling, ramming the foundation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I.	156.427	cum			
9	5.1.2	Extra for earthwok in hard soil as per specification and direction of E/I. (Vide classification of soil item - B).	69.695	Cum			
10	5.1.10	Providing coarse clean sand in filling in foundation trenches or plinth including ramming and watering in layers not exceeding 150mm thick with all leads and lifts includng cost of all materials, Labour, rotalty and taxes all complete as per building specification and direction of E/I (Mode of measurement compacted volume).	0.524	Cum			
11	5.2.6	Providing designation 75B work in C.M. (1:6) in foundation and plinth with approved quality of clean coarse sand of F.m. 2 to 2.5 including providing 10mm thick mortar joints, cost of screening materials ranking out joints to 15mm depth, curing taxes and royalty all complete as per building specification and direction of E/I.	15.158	Cum			
12	5.2.11	Providing designation 75A brick work in C.M. (1:6) in superstructure with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10mm thick mortar joints, costs of screening, materials, scaffolding, raking out joints to 15mm depth curing taxes and royalty all complete as per building specification and direction of E/I.	42.343	cum			
13	5.3.2	Providing P.C.C. M-150 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in mixer and placing in position, vibrating, striking, curing, taxes and royalty all complete as per building specification and direction of E/I.	7.141	Cum			
14	5.3.3	Providing P.C.C. M-100 with normal mix of (1:3:6) in foundation and plinth with approved quality of stone metal grade III 953.2mm to 22.4mm size) & clean coarse sand of F.M. 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixer and placing in position, vibrating, skirting, curing, tax and royalty all completejob as per building specification and direction of Engineer-in-charge.	0.836	Cum			
15	5.3.7.1	Providing R.C.C. M-200 with nominal mix of (1:1.5:3) in Band at Lintel Level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering mixing cement concrete in mixes and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete as per building specification and direction of E/I.	0.544	Cum			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
16	5.3.8.1	Providing R.C.C. M-200 with nominal mix of (1:1.5:3) in Lintel Level with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering mixing cement concrete in mixes and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete as per building specification and direction of E/I.	0.448	Cum			
17	5.3.9.1	Providing R.C.C. M-200 with nominal mix of (1:1.5:3) in Roof Slab with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering mixing cement concrete in mixes and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete as per building specification and direction of E/I.	9.054	Cum			
18	5.3.11	Providing R.C.C. M-200 with nominal mix of (1:1.5:3) in Beam with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including screening, shuttering mixing cement concrete in mixes and placing in position, vibrating, striking, curing (but excluding the cost of reinforcement, taxes and royalty all complete as per building specification and direction of E/I.	4.314	Cum			
19	5.3.18.1	Providing R.C.C. M-200 with nominal mix of (1:1.5:3) in Stair Case with approved quality of stone chips 20mm to 6mm size graded and clean coarse sand of F.M. 2.5 to 3 including centering, shuttering, screening, mixing cement concrete in mixer, placing in position, vibrating, striking, curing taxes and royalty all complete as per building specification and direction of E/I.	3.737	Cum			
20	5.3.30.1	Providing Precast R.C.C. M-200 with nominal mix of (1:1.5:3) slab of desired size with approved quality of stone chips and clean coarse sand of F.M. 2.5 to 3 including curing, shuttering carrying the slab manually to site and laying in position all complete (but excluding the cost of reinforcement) taxes and royalty, all complete as per building specification and direction of E/I.	1.866	Cum			
21	5.4.1	Supplying, fitting and fixing good quality, well dressed and well seasoned sal wood work in chaukhat in doors, windows skylights, fanlights and C/W celetial windows openings, including wedge over all clamps complete including application of two coats of wood preservative of approved quality on the surface butting walls and lintels all complete as per building specification and direction of E/I.	0.234	cum			
22	5.4.38	Supplying, fitting & fixing 35mm thick solid core type non-decorative single leaf flush shutters in doors and windows with black board core blended with high quality phenol formal dehyde synthetic resin both side commercial veneeres of standard makew with oxidised iron fittings such as hinges, tower bolts, handle, cleats and sand blocks and taxes all complete as per building specification and direction of E/I.	29.546	Sqm			
23	5.5.4 5.5.5 5.5.6	Providing Toe steel reinforcement of following dia rods as approved design and drawing excluding carriage of M.S. bars to work site, cutting, bending and binding with annealed wire with cost of wire, removal of rust, placing the rods in position all complete as per building specification and direction of E/I. TMT Fe 500 (Only Valid for SAIL, TATA Steel, JSPL, Electro Steel Ltd. and Vizal Steel)					
23.01	(a)	8mm to 10mm (TMT coil Fe 500) (Only Valid for SAIL, TATA Steel, JSPL, Electro Steel Ltd. and Vizal Steel)	1.397	MT			
23.02	(b)	12mm to 20mm(TMT coil Fe 500) (Only Valid for SAIL, TATA Steel, JSPL, Electro Steel Ltd. and Vizal Steel)	1.297	MT			
24	5.5.12	Supplying, fitting and fixing M.S. grill made of 20 x 6mm M.S. flat as per approved design and drawing, properly fabricated with joints continuous fillet welded and finished smooth, carriage of grill to work site, hoisting as per building specification and direction of E/I. (where materials is not supplied by the deptt.)	354.276	Kg			
25	5.5.13	Providing and fixing fan hook of 16mm dia M.S. bar 1 metre long bent to required size and shape, placed in position and fixed in R.C.C. slab/beam at the time of casting all complete as per building specification and direction of E/I, (where materials is not supplied by deptt.)	9.000	Each			
26	5.5.14	Supplying, fitting and fixing collapsible gate of approved size and make properly fabricated with vertical double channels 20 x 10 x 2mm at 100mm centers and braced with M.S. flat diagonals 20 x 3mm with top and bottom rails of T.iron 40 x 40 x 6mm with 38mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of red lead paint, car riage, hoisting and taxes all complete as per building specification and direction of E/I.	4.717	sqm			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
27	5.5.18	Supplying, fitting and fixing fully glazed steel door, windows or ventilation of standard rolled 'Z' and mullion steel sections and size as per IS-1038 joints met and welded 100 x 16 x 3mm M.S. lugs fixed in cement concrete (1:2:4) blocks 15 x 10 x 10cm, size including cost of oxidised iron fittings, with hinges, handle per steps, catch springs, 3mm thick plain glass panes with Aluminum beads and inner frame fixed with lugs with 20mm long 6.3mm G.I. counter sunk machine screw and nuts and applying a coat of red lead paint carriage to work site joisting and placing in position in all stories and taxes all complete as per building specification and direction of E/I.	10.067	sqm			
28	5.6.3	Providing designation 75B one brick flat soling joints fitted with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I.	26.711	sqm			
29	5.6.27	Providing and laying vitrified Parking/Industrial tiles in different sizes (thickness to be specified by the manufacturer) with water absorption all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 Kg/Sqm including grouting the joints with white cement and matching pigments etc., complete Size of Tile 300 x 300 x 10mm sizes.	150.848	sqm			
30	5.6.28	Providing and laying Double charge vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622/ISO 13006 of approved make in all colours and shades laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. complete Size of Tile 600 x 600 mm	510.911	Sqm			
31	5.7.1	Providing 12mm cement plaster (1:3) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty as per building direction of E/I.	10.906	Sqm			
32	5.7.2	Providing 12mm thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.	63.620	Sqm			
33	5.7.3	Providing 12mm thick cement plaster (1:6) with clean coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty all complete as per building specification and direction of E/I.	1193.961	sqm			
34	5.7.6	Providing 6mm thick cement plaster (1:4) in ceiling with coarse sand of F.M. 1.5 including screening, curing with all leads and lifts of water, scaffolding taxes and royalty as per building direction of E/I.	194.828	Sqm			
35	5.7.11	Providing 1.5mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I.	10.906	Sqm			
36	5.8.9	Extra for cleaning the old surface by scrapping the entire old white wash or colour wash including cost of scaffolding all complete as per direction of E/I.	2783.048	sqm			
37	5.8.18	providing two coats of oil bound distemper of approved shade and make over a coat of cement primer over Old surface including preparing the plastered surface by rubbing smooth with pumice stone or fine sand paper applying putty wherever required scaffolding washing of floors and taxes all complete as per building specification and direction of E/I.	4418.972	sqm			
38	5.8.21	Providing two coats of plastic emulsion paint of approved shade and make over a coat of cement primer over new surface including preparing plastered surface by rubbing smooth with pumice stone or fine sand paper, applying putty wherever required scaffolding, washing of floor and taxes all complete as per building and specification of E/I.	2587.578	Sqm			
39	5.8.31	Providing two coats of synthetic enamel paint of approved shade and make over old wooden surface including cleaning the surface after removing dirt including scales, smokes, grease and sand preparing, including cost of scaffolding and taxes all complete as per building specification and direction of E/I.	134.917	sqm			
40	5.8.32	Providing two coats of synthetic enamel paint of approved shade and make over new wooden surface including cleaning the surface after removing dirt including scales, smokes, grease and sand preparing, including cost of scaffolding and taxes all complete as per building specification and direction of E/I.	242.053	sqm			
41	5.8.41	Providing primer one coat of red lead paint of approved make over new steel surface including preparing the surface after cleaning, removing dust, dirt, scales smokes and grease and cleaning the surface thoroughly including cost of scaffolding and taxes all complete as per building specification and direction of E/I. (Mode of measurement Area shall be multiplied by the co-efficient as indicated in building specificatio).	6.691	Sqm			
42	5.8.45	Providing two coats of synthetic enamel paint of approved shade and make over steel surface thoroughly scaffolding and taxes all complete as per building specification and direction of E/I.	449.498	Sqm			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
43	5.9.10	Labour for fitting and fixing G.C.I. or C.A. sheet roofing in proper slope including the cost of "J" or "L" hooks, limpet and bitumen washers, carriage of sheets to work site and taxes all complete as per building specification and direction of E/I.	23.420	sqm			
44	5.12.1	Water proofing for old and New Roof Slab : - Providing and laying water proofing treatment on roof slab by applying two Component, factory designed, ready to use, acrylic modified flexible material applied with brush, roller or spray for water proofing coating as per manufacturer specifications with following steps:-					
44.01	(a)	Surface preparation :- Providing and cleaning of concrete surface to remove dust, oil, grease including removal of existing loose paint/coating and					
44.02		Before chamfering surface irregularities, damaged concrete in base slab, dead cracks if any, with an acrylic polymer modified repair mortar including a coat of bonding agent of the same with cement slurry including all material, labour, tools complete.					
44.03	(b)	1st coat :- Apply 1st coat of two component acrylic modified, ready to use, flexible cementitious material on surface saturated dry roof and inside wall of Parapet wall upto 600mm by brush or roller. After 1st coat of application, 45 gsm of fibre glass cloth to lay when the first layer is still green, 1st coat should be applied @ 1.50 kg/sqm/coat. For the purpose of measurement the entire treated surface will be measured.					
44.04	(c)	2nd Coat :- To apply the 2nd coat of two component acrylic modified, ready to use, flexible cementitious material right angle to the 1st coat over the glass fibre laid surface. 2nd coat should be applied @ 0.7 kg/Sqmt/coat. For the purpose of measurement the entire treated surface will be measured. After three days of drying the 2nd coat, the rain water outlets to be plugged and ponding test to be done for 48 hours to identify seepage, leakage from soffit and if found necessary rectification to be done as per satisfaction of E/C. The waterproof coating to be protected from damage before screed over it. Water proofing coating to be protected from damage before screed over it. Water proofing Brand-Sika Topseal 109hi/Fosroc Brushbond RFX/Dr Fixit Pidifin 2K/MYK Auafin TG, Product Performance - chemical					
44.05		Base part A : Acrylic copolymer, Part B : Specially graded cementitious powder - Density 1.6 kg/l (mixed density) at +27°C Tensile strength ~ 2N/mm <sup>2</sup> after 28 days (with Fibre cloth) (according to ASTM D 2370) Pullout Bond Strength ~ 2 N/mm <sup>2</sup> (concrete failure) (According to ISO 4624) Slant-shear bond strength ~ 4 N/mm <sup>2</sup> (According to FIP 5.15) Elongation at Break ~ 35% without Fibre Cloth and 20% with fibre cloth (According to ASTM D 2370)					
44.06	(d)	Protection of treated surface with PCC : - The treated surface should be covered with 25mm/50mm PCC of M-20 grade (1:1.5:3) with proper slope (1:120) towards the rain outlets in alternate panels of 2 Mt x 2mt keeping 6mm gap between the panel joint integral water proofing admixture conforming to IS 2645 @ of 100 ml per bag of cement to be added in the screed concrete (paid separately for this item) all corners shall be chamfered with 150mm x 150mm fillet. The rainwater outlets shall be just leveled with the screed concrete to ensure smooth discharge of water - the peripheral gaps between PVC pipe outlet and concrete surface should be packed properly with rich concrete and the peripheral mouth to be sealed with moisture insensitive epoxy putty of Sika India pvt Ltd/MYK Schomberg/Dr. Fixit/Fosroc. For the purpose of measurement the entire treated surface will be measured."					
44.07	(e)	Groove of PCC surface should be filled with Polysulphide Sealant. (Paid Separately) Brand - Sika India Pvt. Ltd./MYK Schomberg/Dr. Fixit/Fosroc. Warranty for five years.	718.556	sqm			
45	5.12.3	Covering of treated surface with PCC :- Providing 50mm thick cement concrete M-20 (1:1.5:3) maintaining slope in alternate 2 mt x 2 mt panels with approved quality of stone chips of 20mm to 6mm size graded and cleaned sand of F.M. to 3 including screening, shuttering and mixing cement concrete in mixer with admixture in integral water proofing and placing in position, skirting curing, taxes and royalty all complete as per building specification and directions of E/I. Panels that has been left should be casted next day. There should be 6mm gap between Panels Brand-Sika-plastocrete plus, MYK proof WP 10, Fosroc-Conplast X 4211C, Dr. Fixit Pidproof LW+ or equivalent.	718.556	sqm			
46	5.12.8	Providing and filling of 6mm thick Groove between 25mm PCC Panels with Polysulphide Sealant (Poring Grade) as per drawings and technical specifications and direction of E/I. (with 18% GST) Brand - Sika-Polysulphide, Fosroc-thioflex 600, Dr. Fixit Pidiseal PS (42P, MYK Seal PS or Equivalent.	551.425	mtr			
47	Supply pg. 23 item no. 3(f)	Supply fitting & fixing G.C.I. Sheet thickness in mm conforming to I.S. 227 - 0.63 mm	0.094	MT			
48	DSR 2.35	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :					

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
49	2.35.2	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole : With Chlorpyrifos/Lindane E.C. 20% with 1%concentration	166.259	mtr			
50	2.35.3	Treatment of soil under existing floors using chemical emul- sion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyrifos/Lindane E.C. 20% with 1%concentration	723.014	Sqm			
51	DSR 8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	183.348	sqm			
52	DSR 9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	12.918	Sqm			
53	DSR 9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :	313.500	mtr			
54	DSR 9.74.3	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :	62.000	Each			
55	DSR 9.95.4	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x4 mm	93.000	Each			
56	DSR 9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profile to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	5.183	mtr			
57	DSR 9.120.1	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail.					
57.01		Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick plain PVC door shutters	1.952	sqm			
58	DSR 9.127.1	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.5 mm thick	25.836	sqm			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
59	9.147 B	Providing and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately).					
59.01	9.147 B.1	Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Fixed window / ventilator made of (small series) frame 47 x 50mm & mullion 47 x 68 mm both having wall thickness of 1.9 ±0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)	5.948	sqm			
60	DSR 9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body					
60.01		with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately)					
60.02	9.147D.3	Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made. Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm upto 2.50 sqm).	87.868	sqm			
61	DSR 10.14.1.1	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B - Fixing with adjustable lugs with split end tail to each jamb	32.622	Mtr.			
62	DSR 10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	612.000	kg			
63	DSR 10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	94.331	Kg			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
64	DSR 11.26.1	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	42.874	sqm			
65	DSR 11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	16.651	sqm			
66	DSR 11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	61.343	sqm			
67	DSR 12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. - 110mm	28.000	each			
68	DSR 12.50	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 micron epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	37.174	sqm			
69	DSR 12.51.6	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter (600 mm over all girth)	18.000	mtr			
70	DSR 12.53	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross 'T' of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main 'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to form grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size (24x24x3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25mm long dry wall					
70.01		screws @ 230 mm interval and laying 15 mm thick densified edges calcium silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24mm of all T sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.					
70.02		Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non- combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity < 0.043 w/ mK.	207.846	sqm			
71	DSR 13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	4299.945	Sqm			



Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
72	DSR 13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	273.234	sq.m			
73	DSR 13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	329.069	sqm			
74	DSR 14.1.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	103.094	sqm			
75	DSR 14.5.1	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	15.265	sqm			
76	DSR 19.91.1	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	107.342	Sqm			
77	DSR 21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
77.01	21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	2657.566	kg			
77.02	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	461.112	kg			
78	DSR 21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):					
78.01	21.3.1	With float glass panes of 4.0 mm thickness	87.868	Sqm			
78.02	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	222.897	sqm			
79	DSR 21.4.1	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness	13.000	Each			
80	DSR 21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	273.978	mtr.			
81	DSR 21.13	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.	25.000	Each			
82	DSR 21.16.2	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge. Powder coated minimum thickness 50 micron aluminium	58.000	Each			
83	DSR 22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :					

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
83.01		(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.					
83.02		(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.					
83.03		(The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.)	22.336	sqm			
84	DSR 22.24.A	Providing & Applying high quality acrylic modified resin based texture of Dholpur/Red sand stone Pattern with anti algae and UV resistance properties to be applied as intermediate finish in desired pattern @ 43.04 kgs/10 sqm to form film of 1- 1.5 mm thickness after scrapping and properly cleaning the surface to remove loose particles from the plaster surface, followed by top coating with Premium Acrylic Smooth exterior paint with Silicone additives of required shade by two or more coats @ 1.43 litres/10 sqm, complete as the direction of Engineer-in-charge.	1388.205	sq.m			
85	DSR 23.4.1	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge 100 mm nominal size dia	30.000	Mtr.			
86	DSR 23.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge	3.338	Cum			
87	DSR 23.6	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge	3.338	Cum			
88	DSR 23.7	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge	3.338	Cum			
89	PHED Supply	DT : Basic rates for 125/115mm dia drilled Tube-well for drilling in all kinds of soil and rock for installation of hand pump with DTH rig Machine all complete including supplying all materials, labours, tools, drilling, rigs, air compressor and equipments as well as fuel lubricant, for making 125/115 mm dia boring etc. and cost of transporting rig machine and other vehicle up to site of work as per specification and direction of E/I.. (Basic Rates) Drilling upto 30 mtr. Depth below G.L. in Rural Area	30.000	Mtr.			
90	DSR 26.32.1	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm <sup>2</sup> ).	30.132	sqm			
91	DSR 26.35	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-charge.					
92	26.35.3	(The payment shall be made on the basis of actual weight of approved grout injected.) - Epoxy injection grout in concrete/RCC work of approved make	11.578	kg			
93	DSR Supply 26.31	4 mm thick ACP	133.553	sqm			
94		Carriage of materials by diesel Truck including loading at source, unloading at works site and stacking properly, labour, P.O.L., etc. all complete as per direction of E/I.					
94.01	(a)	Bricks - 8km	24211.000	Per 1000			
94.02	(b)	Sand - 10km	66.189	cum			
94.03	(c)	Chips - 22 km	23.669	cum			
94.04	(d)	Stone Metal lead - 22km	0.786	Cum			
94.05	(e)	Local Sand -Lead 3km	0.524	Cum			
94.06	(d)	Debries-3 km	86.732	cum			
95	3.1.5.1	Providing and fixing male ended 15mm dia brass bib cock of approved quality (Wt. not less than 350 gms.) with extra socket all complete as per specification and direction of E/I.	4.000	Each			
96	3.1.6 (A) (i)	Providing and fixing brass/C.I. stop cock of approved quality all complete as per specification and direction of E/I. BRASS STOP COCK - 15mm dia	1.000	Each			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
97	3.1.7	Providing and fixing G.M. non return valve Horizontal/Vertical type of approved quality as per specification and direction of E/I.					
97.01		Vertical -32mm dia	2.000	Each			
97.02		25 mm dia	2.000	Each			
98	3.1.17	Cutting chhajja or corince for laying G.I. pipe and restoring the same with R.C.C. (1:2:4) brick work in cement mortar (1:4) as per specification and direction of E/I.	8.000	Each			
99	3.1.18	Making holes in walls for laying G.I. pipe and restoring the same after pipe laying as per specification and direction of E/I.					
99.01	(a)	125 mm thick wall	14.000	Each			
99.02	(b)	250 mm thick wall	20.000	Each			
100	3.1.21	Supplying, fitting and fixing the following items complete with all materials as per specification and direction of E/I.					
100.01	(b) (i)	Mirrors of 6mm thick glass bevelled edge mirror including C.P. brass revolving fittings 3mm ply wood board and C.P. hinges to fix with mirror 600mm x 450mm size	9.000	Each			
100.02	(C)(iii)	C.P. brass liquid soap container	7.000	Each			
100.03	(ii)	C.P. brass shop dish container medium quality with screw and hinges etc.	3.000	Each			
101	3.2.1 (A) (iii)	Supplying, fitting and fixing viterous white glazed earthen ware I.W.C. of parry Hindustan or any other I.S.S. approved make with 100mm H.C.I. 'p' trap 15 litres C.I. pull and let go flushing cistern of names or other I.S.S. equivalent make, complete with all fittings, C.I. or C.C. brackets 32mm alkathene/P.V.C. telescopic flush, pipe about 2M long with one brass coupling and clamps G.I. chain and pull including supplying and fixing a pair of viterous white glazed earthenware footrest to be fixed in floor 15mm C.I. body brass spindle stop cock of weight not less than 50grms, 15mm P.V.C. connection pipe 450mm long and the exposed pipe and cistern with two coats of approved paint over a coat of red oxide primer etc. all complete as per specification and dirdction of E/I. 580mm long - With 12.5 Liter Low Level P.V.C. cistern	8.000	Each			
102	3.2.3 (a)	Supplying, fitting and fixing flat back or angular, lipped front viterous white glazed earthen ware urinal of 'Hindustan "Parry" or any other approved I.S.S. make with 5 liters capacity C.I. automatic flushing cistern of reliance for any other I.S.S. approved make with all fittings with C.I. or R.S., brackets, standard size G.I. flush pipe with fitting clamps, 15mm, C.I. body brass spindle stop cock of approved quality weight not less than 400 grams, 15mm P.V.C./Alkthene pipe 450mm long with brass coupling at both ends and doing plumber joints including painting coat of red oxide cutting wall and floor making good the same etc. all complete as per specification and direction of E/I. Flat back or standing corner (600mmx 350mm)	3.000	Each			
103	3.2.5	Supplying, fitting and fixing viterous white glazed earthen ware wash hand basin of parry or Hindustan or any other I.S.S. approved make supported on painted C.I. or R.S. brackets 32mm C.I. brass waste, 15mm dia C.I. body brass spindle stop cock of approved quality of weight not less than 350 grams, 32mm PVC waste pipe 750mm long with brass coupling at one end and making plumber joints etc. all complete as per specification and direction of E/I.	4.000	Each			
104	3.3.1	Earth work in excavation for laying of different types and sizes of R.C.C. spun pipes with disposal of exacavted earth within initial lead and sizes of R.C.C. spun pipes with disposal of excavated earth within initial lead and lift as per specification and direction of E/I.	13.500	M3			
105	3.3.6.2	Lbour for alying, fitting and fixing NP2 R.C.C. spun pipe with colars in lines, level and grade and providing approved jointing materials and joints properly filled to make them leakproof including providing sight rails, bonning rod, night guard, Red light and barrier etc. all complet as per specification and direction of E/I. 150mm dia R.C.C. spun pipe	110.000	M			
106	3.3.8	Supplying materials and labours for constructing inspection chamber of designation class 75B bricks size 750mm deep, 600 x 450mm internal dimension having 250mm wall thickness in cement mortar (1:6) including 12mm cement plaster (1:4) with punning on inside and cement plaster (1:6) with 600 x 475mm G.I. Cover with frame (weight not leaa than 36 kg) alongwith earth work in exacavation and 80mm thick P.C.C. (1:3:6) in foundation and refilling all complete as per specification and direction of E/I.	5.000	Each			
107	Supply	Supplying NP2 R.C.C. hume pipe with colour as work site as per direction of E/I.	110.000	M			
108	PHED Supply pg. no.-17 & 18 -42	Supplying fitting & fixing special type of C.P. Bath room fittings for V.I.P. buildings (JAL, Jaquar, Marc or equivalent mark)					
108.01	(i)	Pillar cock (ISI)	13.000	Each			
108.02	(iii)	Bib cock (ISI)/2way	16.000	Each			
108.03	(iv)	Bib cock (Long Thread)	3.000	Each			
108.04	(vi)	Angular stop cock (Long Thread)	29.000	Each			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
108.05	(xi)	Central hole basin mixer (Best quality)	6.000	Each			
108.06	(xxi)	Towel Rail 24"	7.000	Each			
108.07	(xxii)	Towel Ring	7.000	Each			
108.08	(xxvi)	Glass Shelf 22"	6.000	Each			
108.09	(xvix)	Telephone shower with flexible pipe/Health façade	3.000	Each			
108.10	(xxiv)	Tumbler Holder	3.000	Each			
108.11	(xxv)	Toilet Paper Holder	3.000	Each			
108.12	(xxiii)	Soap dish	9.000	Each			
109	DSR 12.41	Providing and fixing on wall face unplasticied Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion (i) Single socketed pipes.					
109.01		75 mm	92.000	Mtr.			
109.02		110 mm	159.488	Mtr.			
110	DSR 12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.					
101.01	12.42.3	Single tee with door					
101.02	12.42.3.1	75x75x75 mm	14.000	Each			
101.03	12.42.3.2	110x110x110 mm	19.000	Each			
101.04	12.42.4	Single tee without door					
101.05	12.42.4.1	75x75x75 mm	10.000	Each			
101.06	12.42.4.2	110x110x110 mm	18.000	Each			
101.07	12.42.5	Bend 87.5°					
101.08	12.42.5.1	75 mm	14.000	Each			
101.09	12.42.5.2	110 mm bend	25.000	Each			
101.10	12.42.6.2	Shoe - 110mm	7.000	each			
111	DSR 17.7.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm witha pair of 15 mm C.P. brass pillar taps	6.000	Each			
112	DSR 17.10.2.2	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board - 610x460 mm bowl depth 200 mm	1.000	Each			
113	DSR 17.16A	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto1 metre long with S.S. triangular plate to European type W.C. ofquality and make as approved by Engineer - in - charge.	3.000	Each			
114	DSR 17.18.1	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	11.000	Each			
115	DSR 17.20.1	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete : White solid plastic seat with lid	3.000	Each			
116	DSR 17.22	Providing and fixing G.I. inlet connection for flush pipe connectingwith W.C. pan.	9.000	Each			
117	DSR 17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe - 32 mm dia	12.000	Each			
118	DSR 17.31	Providing and fixing 600x450 mm beveled edge mirror of superiorglass (of approved quality) complete with 6 mm thick hard boardground fixed to wooden cleats with C.P. brass screws and washerscomplete.	9.000	Each			
119	DSR 17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off,supported on anodised aluminium angle frame with C.P. brassbrackets and guard rail complete fixed with 40 mm long screws, rawlplugs etc., complete.	8.000	Each			
120	DSR 17.37.2	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. : For 100 mm dia pipe	3.000	Each			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
121	DSR 17.68.1	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: White vitreous china dual purpose WC pan with whitesolid plastic seat and lid with white vitreous china flushingcistern and C.P. flush bend.	4.000	Each			
122	DSR 17.69.2	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 38 mm dia of 83 mm length and 77mmbreadth, weighing not less than 60 gms	11.000	Each			
123	DSR 17.69.1	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62mmbreadth weighing not less than 45 gms	2.000	Each			
124	DSR 17.70.1	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of270 mm, effective length of tail pipe 260 mm from thecentre of the waste coupling, 77 mm breadth with 25 mmminimum water seal, weighing not less than 260 gms	6.000	Each			
125	DSR 17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long,200 mm wide with minimum distances of 37 mm from wall face withconcealed fittings arrangement of approved quality and colour,weighing not less than 88 gms.	9.000	Each			
126	D.S.R 18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal Work - Exposed on Wall					
126.01	18.7.3	25 mm	85.000	M			
126.02	18.7.4	32 mm	43.000	M			
127	D.S.R 18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed Work					
127.01	18.8.1	15 mm	110.000	M			
127.02	18.8.2	20 mm	71.000	M			
128	DSR 18.21.1.1	Providing and fixing uplasticised PVC connection pipe with brass unions : 30 cm length - 15 mm nominal bore	20.000	Each			
129	DSR 18.49.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	2.000	Each			
130	DSR 18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	22.000	Each			
131	DSR 18.58.1	Providing and fixing PTMT grating of approved quality and colour. Circular type - 100mm dia	32.000	Each			
132	DSR 19.32.1	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks ofclass designation 7.5	1.000	Each			
133	1.1.3	Point Wiring in PVC Conduit, with piano type Switch:- Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit with piano type switch,phenolic laminated sheet, suitable size M.S./PVC box etc as required. Group C	48.000	Nos.			
134	1.3.3	Point Wiring in PVC Conduit, with Modular type Switch:- Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in recessed PVC conduit, with modular type switch, modular plate, suitable size of GI box etc as required. GroupC	40.000	Nos.			
135	1.5	Power Plug Wiring in PVC conduit (2x4 sq. mm)(used for power circuit):- Wiring for light/power plug with 2x4 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed PVC conduit along with 1 number 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	1075.000	Mtrs.			
136	1.7	Circuit / Sub-main wiring in PVC Conduit:- Wiring for circuit / sub-main wiring along with earth wire with the following sizes of PVC insulated, copper conductor, single core cable in surface/recessed PVC conduit as required.					
136.01	1.7.1	2x1.5 Sqmm + 1x1.5 sq mm earth wire(For 5/6A Plug Points and Building Outer Light)	495.000	Mtrs.			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
136.02	1.7.2	2x2.5 Sqmm + 1x2.5 sq mm earth wire(For Switch boards)	735.000	Mtrs.			
136.03	1.7.4	2 x 6.0 sq.mm. + 1 x 6.0 sq.mm. earth wire	75.000	Mtrs.			
136.04	1.7.10	4x6 Sqmm + 2x6 sqmm earth wire (For essential TPN DB)	130.000	Mtrs.			
136.05	1.7.11	4x10 Sqmm + 2x10 sqmm earth wire (For Normal TPN DB)	130.000	Mtrs.			
137	1.13.3	Point Wiring in PVC Conduit, with piano type Switch:- Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable and 1.5 sq. mm FR PVC insulated copper conductor single core as earth wire in existing surface / recessed medium class PVC conduit including dismantling as required. Group B	65.000	Nos.			
138	1.16.2	Telephone Wiring in Existing Conduit:- Supplying and drawing following pair,0.5 sq. mm FR PVC insulated copper conductor, unarmoured telephone cable in the existing surface/recessed PVC conduit as required.(2 pair)	450.000	Mtrs.			
139	1.17	TV Wiring in Existing Conduit:- TV Cable in Existing Conduit: Supplying and drawing co-axial TV cable RG-6 grade copper conductor, PE insulated, with PVC sheath in the existing surface/recessed PVC conduit as required,	60.000	Mtrs.			
140	1.21.2	S/F PVC Conduit ( for T.V. and Telephone):- Supplying and fixing of following sizes of PVC conduit alongwith the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required for Tele, RJ45 Cat 6 data outlet for computer network. 25 mm	1890.000	Mtrs.			
141	1.22	S/F PVC/G.I boxes:- Supplying and fixing PVC/GI box of following sizes on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.					
141.01	1.22.1	75 mm x 75 mm x 50 mm deep (4" x 4")	35.000	Each			
141.02	1.22.2	72 mm x 146 mm x 48 mm deep (4" x 7")	2.000	Each			
141.03	1.22.3	147 mm x 93 mm x 47 mm deep (5" x 7")	1.000	Each			
141.04	1.22.4	72 mm x 226 mm x 48 mm deep (4" x 10")	10.000	Each			
141.05	1.22.5	72 mm x 279 mm x 48 mm deep (4" x 12")	2.000	Each			
141.06	1.22.6	121 mm x 173 mm x 48 mm deep (6" x 8")	10.000	Each			
141.07	1.22.7	126 mm x 277 mm x 61 mm deep (6" x 12")	2.000	Each			
141.08	1.22.8	170 mm x 221 mm x 48 mm deep (8" x 10")	2.000	Each			
141.09	1.22.9	210 mm x 206 mm x 48 mm deep (10" x 12")	1.000	Each			
142	1.23	S/F piano type Switch / Socket:- Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.					
141.01	1.23.1	5/6 amps,one way switch (for Existing Switch Board)	59.000	Each			
141.02	1.23.3	15/16 amps, one way switch	36.000	Each			
141.03	1.23.4	5/6 amps, 3 pin socket outlet (for Existing Switch Board)	58.000	Each			
141.04	1.23.5	15/16 amps, 6 pin socket outlet	4.000	Each			
141.05	1.23.9	Electronic step fan regulator, mini	10.000	Each			
141.06	1.23.10	Electronic step fan regulator, deluxe	1.000	Each			
143	1.24	S/F Modular type Switch / Socket:- Supplying and fixing following modular type switch / socket on the existing modular plate and switch box including connections but excluding modular plate etc as required.					
143.01	1.24.1	5/6 amps,one way switch (for Existing Switch Board)	30.000	Each			
143.02	1.24.4	5/6 amps, 3 pin socket outlet (for Existing Switch Board)	20.000	Each			
143.03	1.24.6	Telephone socket outlet	5.000	Each			
143.04	1.24.7	TV antenna socket outlet	4.000	Each			
144	1.25	S/F Modular type electronic fan regulator:- Supplying and fixing stepped type fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required.	4.000	Each			
145	1.27	S/F Modular Boxes, base & cover plate (Used for TV and Tele.) :- Supplying and fixing following size / modules GI box along with modular base & cover plate for modular switches in recess etc as required.					
145.01	1.27.1	1 or 2 module (78 mm x 78 mm x 45 mm)	10.000	Each			
145.02	1.27.2	4/5 module (78 mm x 140 mm x 50 mm)	2.000	Each			
145.03	1.27.3	6 module (78 mm x 205 mm x 50 mm)	4.000	Each			
145.04	1.27.4	8/9 module (78 mm x 230 mm x 60 mm)	3.000	Each			
145.05	1.27.5	12 module (135 mm x 205 mm x 60 mm)	4.000	Each			
146	1.29	Supply and Fixing Light Plug Point with phenolic laminated sheet Accessories:- Supplying and fixing metal/pvc box of 150mm X 75mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connections, painting etc. as required.	59.000	Nos.			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
147	1.30	Supply and Fixing Light Plug Point with phenolic laminated sheet Accessories:- Supplying and fixing metal/pvc box of 180mm X 100mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connections, painting etc. as required.	41.000	Nos.			
148	1.31	Supply and Fixing Light Plug Point with Modular Type Accessories (Used for computer point):- Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin, 5/6 amps modular socket outlet and 5/6 amps modular type switch, connection, painting etc as required.	20.000	Nos.			
149	1.32	Supply and Fixing Light Plug Point with Modular Type Accessories (Used for power):- Supply and Fixing GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin, 15/16 amps modular socket outlet and 15/16 amps modular type switch, connection, painting etc as required.	10.000	Nos.			
150	1.33	S/F Ceiling Rose (for fan):- Supplying and fixing 2 pin ceiling rose on the existing junction box/ wooden block including connection etc as required.	6.000	Each			
151	1.34	S/F Batten / Angle Holder:- Supplying and fixing batten / angle holder including connection etc as required.	42.000	Each			
152	1.41	ITC fluorescent fitting directly on surface (for tube light) :- installation testing and commissioning of Pre - wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc, directly on ceiling / wall, including connection with 1.5 Sq. mm. FR PVC insulated, copper cond.	242.000	Each			
153	1.44	ITC Ceiling Fan:- Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (Up to 30 cm) with 1.5 sq. mm. FRPVC insulated, copper conductor, single core cable etc, as required.	10.000	Each			
154	1.48	ITC Exhaust Fan/Wall Fan upto 450 mm sweep :- Installation of exhaust fan / Wall Fan upto 450 mm sweep in the existing opening, including making the hole to cut the size of the above fan, making good the damage, including connection, testing, commissioning etc as required.	12.000	Each			
155	2.4	S/F MCCB in cubical panel board - Providing and fixing following rating and capacity four pole MCCB in existing cubical panel board, including drilling holes in double panel, making connection, etc. as required.					
155.01	2.4.2	80 A	2.000	Each			
155.02	2.4.3	125 A	2.000	Each			
156	2.6.7	S/F sheet metal ON/OFF Load Changeover:-Providing and fixing following capacity 2 pole /4 pole ON/OFF Load Changeover switches with side handle operation in sheet enclosure in existing metal board including drilling holes in metal board making connection earthing the body etc as required. 320Amps, 4 Pole	1.000	Each			
157	2.9.5	S/F TP MCB DB:- Supplying and fixing of following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (Without MCB/RCCB/ISOLATOR). 6 Ways (4+18 ways) double door	4.000	Set			
158	2.9.5	S/F TP MCB DB:- Supplying and fixing of following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required (Without MCB/RCCB/ISOLATOR). 6 Ways (4+18 ways) double door	14.000	Set			
159	2.10.4	Supplying and fixing following way, VTP&N MCCB distribution board of steel sheet for 415 volts, on surface /recess, complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. 8 way, Double door	4.000	Each			
160	2.12	S/F 'C' series SP MCB:- Supplying and fixing 240 volts, 'C' series, miniature circuit breaker suitable for inductive loads of following poles in the existing					
160.01	2.12.1	6/32A Single Pole	300.000	Each			
160.02	2.12.9	40A TPN MCB	9.000	Each			
160.03	2.12.10	50/63A TPN MCB	9.000	Each			
161	2.18	Supply & fixing 20A SPN MCB Industrial Socket Outlet (Used for AC):- Supply and fixing of 20A, 240V, SPN industrial type socket outlet with 2 poles and earth, metal enclosed plug top along with 20 amps 'C' series, SP MCCB, in sheet steel enclosure, on surface or in recess with chained metal cover for socket outlet and complete with connections, testing and commissioning etc as required.	2.000	Nos.			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
162	4.1	Providing and Fixing Copper Lightning Conductor Finial :P/F of lighting conductor finial, made of 25mm dia 300mm long, copper tube, having single prong at top, with 85mm dia 3mm thick Copper base plate including holes etc. complete as required.	4.000	Each			
163	4.4	Reverting sweating and soldering lighting conductor tape :Reverting sweating and soldering of copper/G.I. tape (with another copper/G.I. tape,base of the finial or any other metallic object) as required.	8.000	Each			
164	4.5	P/ F Copper Lightning conductor tape in horizontal run :-Providing and fixing copper tape 20mm x 3mm thick on parapet or surface of wall for lightning conductor complete etc. as required (horizontal run).	220.000	Mtrs.			
165	4.6	P/ F Copper Lightning conductor tape in vertical run :-Providing and fixing copper tape 20mm x 3mm thick on parapet or surface of wall for lightning	40.000	Mtrs.			
166	3.2	G.I. Earth pipe electrode:- Earthing with G.I. earth pipe 4.5 mtr long,40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as required. (with charcoal or cock and salt).	4.000	Each			
167	3.6	COPPER EARTH PLATE ELECTRODE:-Earthing with copper plate 600mmx 600mmx 3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.(but without charcoal or cock and salt) complete etc. as required.	2.000	Each			
168	3.13	P/F 25 x 5mm copper earth strip in pipe :- Providing and fixing 25mmx5mm copper earth strip in 40mm & 4.5Mtr long G.I.pipe for earth electrode etc. as required.	8.000	Mtrs.			
169	3.8	Salt & Cock for plate earth electrode :- Providing and fixing salt and cock for G.I. & copper plate earth electrode etc. as required.	2.000	Set			
170	3.9	S/L 8 SWG copper wire in ground (for main panel and AC panel) :- S/L 8 SWG G.I. wire in ground :- Supplying and laying 8 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.	30.000	Mtrs.			
171	5.10	MV Cable Laying up to 400 sq. mm. in Duct:- Laying of one number PVC insulated and PVC Sheathed / XLPE power cable of 1.1 KV grade of size not exceeding 400 sq.mm. direct in Duct etc as required.	20.000	Mtrs.			
172	1.53.1	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 1 run of cable	400.000	Mtrs.			
173	DSR-18 9.1	1.1 KV Cable End Termination:- Supplying and making indoor cable end termination with brass double compression gland and aluminium lugs for following size of PVC insulated XLPE Al. Ar. Cable of 1.1 KV grade as required.					
173.01	9.1.20	3.5c x 25 sq.mm (38mm)	4.000	Each			
173.02	9.1.22	3.5c x 50 sq.mm (38mm)	4.000	Each			
174	2101	Supply of 1200mm Sweep, double ball-bearing, 2 canopy ceiling fan without regulator including connection with 1.5 sq mm copper wire, down rod all accessories as required. Make :- Bajaj / Crompton / Havells.	9.000	Nos.			
175	2104	Supply fitting fixing and testing of AC 230/250 Volts, 50Hz,300mm sweep Exhaust Fans including providing nuts- bolts, mounting frame and other required accessories etc. (For toilets) Make:- Bajaj 70003/Crompton Trans Air 12"-Reversible / Havells Ventil Air-DB .	12.000	Each			
176	2106	Supply fitting fixing and testing of AC 230/250 Volts, 50Hz,400mm Wall Fans including providing nuts- bolts, mounting frame and other required accessories etc. ) Make:- Bajaj /Crompton / Havells.	4.000	Nos.			
177	2204	Supply and Transportation of 18W LED Down lighter Recessed/Surface mounting made of diecast aluminium body with powder coating acrylic diffuser with driver,Operating voltage range of 150 to 265 Volts AC .(Make : Jaquare /Wipro/Philips).	150.000	Nos.			
178	2209	Supply of Recess mounted round/ Square circular decorative Surface mounted 16/18W LED down(300 x 300) lighter in powder coated white finish with integrated electronic driver. (to be used in Stair Case) (Make :- Jaquare /Wipro/Philips).	4.000	Each			
179	2210	Supply and Transportation of 36W Recessed/Surface slim LED Panel of 600mm x 600mm made of aluminium body with acrylic diffuser, Constant current out put of Driver operating voltage range of 150 to 265 Volts AC, Power factor >0.9 high power LEDs having efficacy of >120 lumens/Watt,Junction temperature less than 85 degrees.(Make :-Jaquare /Wipro/Philips).	11.000	Nos.			
180	2230	Supply of surface/ pendent mounted fluorescent tube light luminaries with 1x20/22W LED Tube light with all accessories as per the standard Catalogue Items. (Make :-Jaquare /Wipro/Philips).	26.000	Nos.			
181	2231	Supply, fitting of 9/10W LED Bulb in Existing Holder .(Make:- Bajaj/Havells/HPL/Jaquar)..	5.000	Nos.			
182	2232	Supply of 15/16W LED BULB.White(Make :-Jaquare /Wipro/Philips).	30.000	Nos.			
183	2263	Supply, fitting and fixing of Special type bulk head fittings complete set with 10W LED light.(Make :-Jaquare /Wipro/Philips).	13.000	Each			



Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
184	2215	Building Outer Light (45W LED) :- Supply of building outer lighting luminaire aerodynamically shaped single piece pressure die-cast Aluminum luminaire with high power LEDs as light source and electronic driver (IP65), along with 45/48W LED Lamp, as Energy saving as per drawing prescribed reflector and heat resistant toughened flat glass cover, with 5ft long 40mm dia G.I. pipe with 3 Nos. of iron clamps, anchor nut bolts with double washers as per direction of E/I or consultant as per drawing prescribed reflector and heat resistant toughened flat glass cover (IP-65) (Make :-Jaquare /Wipro/Philips).	4.000	Each			
184.01		The technical specifications of LED will be as follows: _					
184.02		1. The LED Lights will confirm to BIS standard.					
184.03		2. Powered by the latest bright LEDs with high efficiency and meeting LM-80 standard.					
184.04		3. Average rated life span of 50000 hrs.					
184.05		4. LED system Lumen (NOM) shall be 7000					
184.06		5. Luminaries efficiency of atleast 80 Lumens/watt.					
184.07		6. Input voltage range 140-270 V					
184.08		7. Power factor >0.9					
184.09		8. Ingress protection as per IP 65					
184.10		9. Operating temperature - 5° to 50°					
184.11		10. THD <15%					
184.12		11. Storage tempeprature - 5° to 70°					
184.13		12. Humidity 10% - 100%					
184.14		13. LEDs shall be operated at a forward current less than 90% of its rated current					
184.15		14. The LEDs used in the luminaire shall have minimum angle of 120 degree					
184.16		15. Color rendering index (CRI) of the LEDs shall be greater than 70					
184.17		16. Confirm to Photo Biological Safety for the LED as per IEC 62471					
184.18		17. Free replacement warrantees of 5 years for technincal defects.					
184.19		18. Test Report LM 79 & LM 80. From NLBL.					
184.20		19. Make Of LED Philips/Osram/Cree.					
185	Supply	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed armoured electrical cable with aluminium conductor for working voltage upto 1.1 KV etc as required.					
185.01	1906	3.5c x 25 sq.mm	15.000	Rmt.			
185.02	1908	3.5c x 50 sq.mm	15.000	Rmt.			
186	PHED Supply	Cost of Drilind 200 mmx165mmx125 mtr.deep bore well in all kind of Soil and rock in rural area for instalation of pump set with Hydraulic DTH Rig machine all complete including all materials, tools,driling rig,air compressureand equipmentsas well as fule, lubricantsand cost of transportation of rig machine annd other vehical up to Site.					
186.01		(a) From 0.00 M to 50.00 M below G.L.	50.000	M			
186.02		(b) From 51.0 M to125.00 M	75.000	M			
186.03		(c) From126.0 M to225.00 M	100.000	M			
187	DSR 23.3.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer - in-charge. 200 mm nominal size dia	25.000	M			
188	DSR 23.12	Development of tube well in accordance with IS : 2800 (part I) andIS: 11189, to establish maximum rate of usable water yield withoutsand content (beyond permissible limit), with required capacity aircompressor, running the compressor for required time till well isfully developed, measuring yield of well by "V" notch method or anyother approved method, measuring static level & draw down etc. bystep draw down method, collecting water samples & getting testedin approved laboratory, i/c disinfection of tubewell, all complete,including hire & labour charges of air compressor, tools & accessoriesetc., all as per requirement and direction of Engineer-in-charge	2.000	Hours			
189	DSR 23.13.3	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of: 200 mm dia	2.000	Each			
190	DSR 23.14.3	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete. 200 mm clamp	2.000	Each			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
191	PHED Supply pg. no.-44(i)-136 PM 1-1-3 + 15% C.P.	Supplying Submersible pump sets confirming to IS 8034 and motor confirming to IS 9283. Pump shall be suitable for various delivery head and discharge with stainless steel pump shaft and polypropylene/noryl impeller. Motor suitable for working on 415V + 10%, 3PH, 50 Hz, A.C. supply with cable guard, thrust carbon/fiber bearing to withstand entire hydraulic thrust, water proof winding shall be provided. the pump set shall be suitable for direct coupling. Pump shall have suitable outlet as per manufacturers design. Anti thrust stream lined non return valve shall be provided with pump. 3 meter submersible copper conductor cable in single/double run shall be provided with each pump. Submersible Pump set 100mm dia (with Polypropylene/Noryl Impeller) up to 20 stages - 2 HP	1.000	Each			
192	PHED Supply	Supplying fitting and fixing 3 crore 4 sqmm Flat copper submersible cable FINOLEX / HEVELS make including all taxes ,royalty etc all complete job as	170.000	M			
193	DSR 18.9.6	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain &	150.000	M			
		<b>Total of Schedule Items (A)</b>				<b>0.00</b>	
		<b>Non-Schedule Items</b>					
1	M.R.	Surface preparationThe substrate should be completely free of any contaminants, loose material, protrusions or cavities, . oily substances, frost or other moisture should be completely removed. J hooks should be sealed with ReArm Bond 4031 with sprinkle of Quartz sand over the Epoxy paste of 4031 Priming : AquaArm Tar Primer should be applied at the rate of Sq M/Ltr to surfaces by paint brush/roller squeeze coverage rate for the primer will vary depending on the porosity of the surface being treated. Allow the primer to dry for a minimum of 2 hours and a maximum of 8 hours, at temperatures of 25°C and above, or until touch dry. Priming should only be carried out on surfaces which will be covered with AquaArm SBS 3000X the same					
1.01		Laying of AquaArm SBS 3000 X: Cut length allowing 100 mm for end laps/ 75mm for side laps and position by peeling back the release paper and applying the self adhesive face to the prepared surface. Start from the below end of GI Sheets/Asbestos sheets and work down upwardly progressively removing the release paper in stages for draining out of water smoothly. AquaArm SBS 3000X should be applied to ensure that all end laps are weathered on same day.	117.100	sqm			
2	M.R.	Supply fitting and fixing of standered make starter pannel Board with arrangement of all necssury protection including all taxes ,royalty etc all complete job as per direction of E/I.	1.000	Each			
3	M.R.	Supplying, installation, testing and commissioning of online 3 phase UPS System with 30 minutes back up including batteries, interconnecting cables, battery racks etc.Note: For assessment of kVA estimation of a building, Para 4.4 and other relevant Paras of "Guidelines for Substation & Power Distribution Systems of Buildings- 2019" which is available on CPWD Website may be referred.	15.000	per KVA			
4	M.R.	Supplying, installation, testing and commissioning of IP Based CCTV system for building security comprising of PTZ Fixed camera, cabling, recording , display system and hard ware software support Note: Rate includes peripheral IP Based PTZ camera besides indoor camera at reception, corridors, lift lobby etc., wiring upto CCTV room and setting up monitoring unit/ units, as required.	694.000	per sqm.(for Indoor)			
5	M.R.	Supplying, installation, testing and commissioning of LAN System comprising of Core switches & L2 switches with 10 G, 10 Giga SFP modules, WIFI Access points, WIFI controller, Network Management Software, Racks, CAT 6A cable, Patch Panels, OFC etc.	250.000	per sqm. of covered area			
		<b>Total of Non- Schedule Items (B)</b>				<b>0.00</b>	
		<b>Total (A+B)</b>				<b>0.00</b>	
		<b>Add GST 12%</b>				<b>0.00</b>	
		<b>Total (C)</b>				<b>0.00</b>	
6	M.R.	Supplying fitting & fixing Furniture Items- (Quotation Attached) - Durian					
7	(vii)	Stool	22.000	Each			
8	(viii)	Magazine Stand	26.000	Each			
9	(iii)	4 Drawer Filling Cabinet Model No.: Tinkler					
9.01		Care Co-ordinator	3.000	Each			
10	(iv)	Sign Board					
10.01		Main Entrance (stainless steel with Redium Paint) 4'x8'	13.000	Each			
10.02		Main Entrance of ARTC (stainless steel wall fixed wiyh Redium Paint)3'x2'	13.000	Each			
11	(xi)	43" Smart full HD, Android OS LED TV with remote control and one ryear warranty. Model TH-43HS700DX					
11.01		Lobby	10.000	Each			

Sl. No.	Item No.	Description of works	Qty.	Unit	Rate (In Rs.)	Amount (In Rs.)	Amount (In Words)
12	(vi)	Display Board					
12.01		Lobby = 8' x 4'	416.000	Sft			
13	(vii)	White Board					
13.01		D.M.'s Chamber = 4'x 3'	24.000	Sft			
14	(xiii)	LED X-Ray View Box					
14.01		M.O./S.M.O.'s Chamber	12.000	Each			
15	(xiv)	Water Purifier	25.000	Each			
15.01	(x)	Curtain cloth (Check Area with Drawings)	346.500	mtr			
16	(xviii)	Modular Lab Table with Shelves and Sink					
16.01		Patho. Laboratory	7.000	Each			
17	(xx)	Examination Table/Beds	2.000	Each			
18	(xxi)	Supply 2.0T, 3 Star rated Fixed Speed Air-Conditioner with usual (1+4) Year Warranty	11.000	Each			
		<b>Total (D)</b>				<b>0.00</b>	
		<b>Total (C+D)</b>				<b>0.00</b>	
		<b>Add 1% Labour Cess</b>				<b>0.00</b>	
		<b>Net Total</b>				<b>0.00</b>	
		<b>Say Rs.</b>				<b>0.00</b>	



## **JHARKHAND STATE AIDS CONTROL SOCIETY**



Sadar Hospital Campus, Purulia Road, Ranchi-01  
0651-2211018, Fax 0651-2211018

### **VERY SHORT TENDER NOTICE**

Ref. Tender No. 06 /JSACS/2020-21

Dated-29.01.2021

Sealed Tenders are invited for Building repairing & renovation works at JSACS headquarter office & District office (Different ART Centre) from registered Firm / agency under building department/ Housing / Municipal Corporation/ Rural department any other government department. Details Terms & Condition site are available at JSACS Office & Web- Site [www.jsacs.org.in](http://www.jsacs.org.in).

Tender document sale Date : 30-01-2021 to 08.02.2021 01:00 P.M

Last Date submission of Tender: 08.02.2021 up to 2:00 P.M

Date of opening of Tender : 08.02.2021 at 3:00 P.M

- Sd/  
Project Director

**RAKTDAAN KARKE DEKHO AACHA LAGATA HAI; CALL TOLL FREE NO- 1097**