

Bid Document

Bid Details	
Bid End Date/Time	26-08-2022 15:00:00
Bid Opening Date/Time	26-08-2022 15:30:00
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Andrew Yule Company Limited
Office Name	Tea Division
Total Quantity	1
Item Category	Mim Guest House (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)	2200 Lakh (s)
Years of Past Experience Required for same/similar service	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	50 %
Bid to RA enabled	No
Time allowed for Technical Clarifications during technical evaluation	6 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Advisory Bank	AXIS BANK LTD
EMD Percentage(%)	0.50
EMD Amount	275000

ePBG Detail

Required	No
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(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Dy. General Manager (Supply Chain/Materials)

TEA DIVISION, Department of Heavy Industry, ANDREW YULE COMPANY LIMITED, Ministry of Heavy Industries and Public Enterprises

(Shantanu Boral)

Splitting

Bid splitting not applied.

Reserved for Make In India products

Reserved for Make In India products	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered

product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Mim Guest House (1 set)

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Rupankar Goswami	734221,Mim Tea Estate P.O. : Sukhiapokhri Dist. : Darjeeling	1	365

Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.

d. Copy of EFT Mandate duly certified by Bank.

3. **Generic**

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

4. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

5. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of ANDREW YULE & CO. LTD. payable at Kolkata.

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

A. Eligibility:

1. The vendor and his team should have vast experience in the field of Construction, Design, Drawing, Execution, Interiors, Landscaping, Electrical, PHE, Tea Tourism, Boutique and Experiential Hospitality in Tea Garden, HVAC and Façade.
2. Since the project is inclusive of all – “Engineering Procurement and Construction” contract (EPC Contract) occasionally known as “Turnkey Contract” along with Drawing and Design, the team should be capable of any kind of Architectural, Structural, Interior Design including execution of the same under the same brand or name in the hills of Darjeeling at an elevation of 5000 feet or above.
3. The organization must have drawn, handled, executed and supervised such a boutique hospitality resort project in the hills of Darjeeling hills, specifically in tea garden area at an elevation of 5000 feet above MSL at variable terrain with his/her own staff, team within a minimum time frame of 18months by understanding the local flora and fauna, maintaining ecology of the area, understanding tea culture and tradition and having strength of knowledge of tea and its production by the hospitality team member having over 15 years of experience. A successful completion document related must be presented.
4. The firm should have a team of Engineers which comprises of Civil Engineers with minimum 25 years or more experience, Structural Designers, Hospitality Management team, and experienced staff members minimum of above 15 years of experience with the organization or mainly to take care of Civil Electrical PHE and Interiors to create an unique world class experiential boutique retreat.
5. The organisation should have an Architect and an Interior designer with minimum experience of 15 years and above in the field of design

and drawing and its execution of boutique resort and spa retreat.

6. The organization must have experience of creating a destination with unique selling point for the project in relation to nature, hospitality, birding and wildlife along with their habitat, flora and fauna for the future prospective client base. A successful completion document related must be presented.
7. The organization or its team member must have experience of running such project under his/her leadership and capacity for a minimum of 12 months after successful handing over of the project by the team and ensuring the resort is maintained with immaculate process of constant exaltation and promotion of the designer property in the hills of Darjeeling at an elevation of 5000 feet or above

B. Scope of Work:

The Selected vendor has to design/ develop Resort with Boutique cottages designed exclusively to offer most premium comfort to its occupants on prescribed plots within Mim Tea Estate as detailed below with appropriate facilities:

- Location of Site – Sec 1B, Mim Tea Garden, PO. Sukhiapokhri, Dist – Darjeeling, Pin – 734221.
- Area available -2800 sqft- Schematic drawing attached for reference
 1. Each boutique cottage should be designed exclusively to offer most premium comfort to the guests
 2. Every cottage will have maximum or uninterrupted view of Mt.Kanchenjunga from the room as well as balcony
 3. Every cottage will have a private balcony opening to a stepped landscape area or to hardscape area with offering of infinity view of the tea garden on the backdrop as well in front along with that of Kanchanjunga
 4. Each cottages will have all the modern amenities as in any premier resort in Darjeeling Hills
 5. Cottages to be built subject to thorough soil test to asses SBC, Shear Strength, Stability of slopes and a detailed contour survey as per latest National Building Code 2016.
 6. The cottages should have heating arrangements mostly with electric blanket as well heater to give comfort to guests during cold weather months.
 7. Upholstery and soft furnishings will be most exclusive
 8. Exterior furniture for people to sit and enjoy a dinner or a lunch on a pleasant weather or a cloudy day
 9. Landscape will be of flowing layers and flowers as well fruiting trees to attract birds of varied colours and different volume Lawns will be finished with Seasonal / Mexican grass with wandering pathway finished with printed paved way or with stone.

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Site Visit

The bidder is advised to visit and examine the site where the job is to be done and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract. The cost of visiting site shall be at the bidder's own expense.

Pre-bid meeting

The bidder's designated representative is invited to attend a pre-bid meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

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C. Technical Specifications - Civil

CODES AND STANDARDS

The following Indian codes and standards shall be used for construction and quality control system of all civil and structural works. In all cases latest revisions with amendments, if any shall be followed. Apart from the specific codes mentioned herein, all other relevant and related codes concerning the specific jobs under consideration and/or referred to in these codes and technical specification shall be followed wherever applicable. (All codes shall be latest as on the date of issuing the Tender/Bid document).

General

- a) Internationally accepted design Codes and Standards where Indian Codes are not available and which are equivalent to Indian Standards.
- b) National Building Code of India.
- c) "Accepted Standards" and "Good Practice" listed in the appendix to National Building Code of India.

Earthwork

- a) IS-1498: Classification and identification of soils for General Engineering purposes.
- b) IS-3764: Safety Code for excavation work.
- c) IS-7293: Safety Code for working with construction machinery.

Concrete

- a) IS-269 : Ordinary and low heat Portland cement.
- b) IS-383 : Coarse and fine aggregate from natural sources for concrete.
- c) IS-432 : Mild Steel and medium tensile steel bars and hard drawn steel wire for concrete reinforcement.
- d) IS-455 : Portland Slag Cement.
- e) IS-456 : Code of Practice for Plain and reinforced concrete.
- f) IS-460 : Test Sieves (all parts).
- g) IS-516 : Methods of test for strength of concrete.
- h) IS-1199: Methods of sampling and analysis of concrete.

- i) IS-1489 : Portland pozzolana cement Fly ash based (Part 1) and calcined clay based Part 2)
- j) IS-1566: Hard drawn steel wire fabric for concrete Reinforcement.
- k) IS-1786: High strength deformed steel bars and wires for concrete reinforcement.
- l) IS-1834: Hot applied sealing compounds for joints in concrete.
- m) IS-2386: Methods of test for aggregates for concrete (all parts).
- n) IS-2502: Code of practice for bending and fixing of bars for concrete reinforcement.
- o) IS-3370: Code of practice for concrete structures for storage of liquids (all parts).
- p) IS-3414: Code of practice for design and installation of joints in buildings.
- q) IS-4948: Welded steel wire fabrics for general use.
- r) IS-6452: High Alumina Cement for Structural use.
- s) IS-7320: Concrete slump test apparatus.
- t) IS-7861: Code of practice for extreme weather concreting (all parts).
- u) IS-8041: Rapid Hardening Portland cement.
- v) IS-8112: High strength ordinary Portland Cement.
- w) IS-14687: Formwork for concrete structures.
- x) IS-10262: Recommended guidelines for concrete mix design

• **Foundations**

- a) IS-1904: Code of practice for structural safety of buildings: Willow foundations.
- b) IS-2950: Code of practice for design and construction of raft foundations.
- c) IS-2911: Code of practice for design and construction of Pile foundations.
- d) IS-5624: Specification for foundation bolts
- e) IS-8009: Code of Practice for calculation of settlement of Foundations

• **Loading**

- a) IS-875: Code of practice for Design loads for buildings and structures.

• **Grade of Reinforcement steel**

Reinforcing bars will be TMT bars of grade Fe500 conforming to IS-1786 and Mild Steel bars conforming to IS: 432 (Grade I) of main producer such as "SAIL" or "TATA STEEL" or "RINL" or vendor approved by AYCL.

TECHNICAL SPECIFICATION FOR FOUNDATION & RCC SUPERSTRUCTURE

• **Earth Work in Excavation, Grading and Back Filling**

1) **Scope**

This specification covers the general requirements of earthwork in excavation in all types of soil including rock, site levelling /grading, back filling with compaction and disposal of surplus soils to leads and lifts as required/directed by the Engineer in-charge. The work shall be carried out in complete manner as per specifications, drawings and Engineer's

directions and shall include all labour, material & equipment etc.

2) **General**

Excavation shall be carried out to correct lines and levels. This shall also include, proper shoring and strutting as required to maintain the sides of excavation as also all other safety measures such as creating safety barricades around excavated areas and warning lights at night.

Excavated materials shall be dumped to load and lift as directed by the Engineer. The excavated material shall be stacked properly as directed by the Engineer.

The areas to be covered with embankments shall be stripped of topsoil to required depths to expose acceptable founding strata. Top soil unsuitable for use in embankment construction and other fills shall be disposed off as directed. Combustible materials shall be stacked to be burnt in locations sufficiently remote to eliminate all danger of fire hazards.

3) **Excavation**

All excavation work shall be carried out by mechanical equipment/manually except for the last 150 mm of soil profile to be excavated out which shall be carried out manually to ensure properly compacted levelled / dressed surface, worthy of receiving PCC or other intended purpose.

The excavation must be carried out in the most expeditious and efficient manner. The excavated pits shall have side slopes or benching sufficient to safeguard against any cave-in/ collapse of soil as well as to provide for working space requirements as per actual soil conditions encountered. All excavation shall be carried out to the minimum dimensions as required for safety and working space. Prior approval of the Engineer in-charge shall be obtained by the Bidder in each individual case, for the method proposed

to be adopted for the excavation, including dimensions, side slopes / benching, dewatering, disposal of excavated material, etc. However this approval, shall not in any way absolve the Bidder of his responsibility for any consequent loss or damage. All necessary precautions shall be taken to prevent damage to or interference with underground or over ground services such as cables, drains, piping or piles, whether shown on drawings or not.

Before taking up any construction activity, the Bidder shall take all steps and precautions necessary for the safety and protection of any existing work/facility, adjoining property or work at no extra cost to the owner.

4) **Back Filling**

Select surplus soils from excavated materials shall be used as backfill. Fill material shall be free from lumps, salts, sulphates, organic or other foreign material. All fill material will be subject to Engineer's approval. The Bidder shall remove fill material rejected by Engineer from the site

at no extra cost to the Owner. Surplus fill material shall be deposited/ disposed off as directed by the Engineer after the fill work is completed.

Bidder shall make arrangements for bringing select fill material in case required from outside borrow pits. The material and source shall be subject to prior approval of the Engineer. All costs involved including paying of any royalty, transportation cost etc. in providing such borrow material shall be borne by Bidder.

All back filling shall be carried out with approved material in layers not exceeding 300mm, watered and compacted with mechanical compaction equipment. However, the thickness of the backfill layers may be changed by the engineer depending on the fill material and equipment used. When filling reaches the finished level, the surface shall be flooded with water, unless otherwise directed, for at least 24 hours and the surface re-compacted as specified after drying to avoid settlements at a later stage.

The finished level of the filling shall be trimmed to the level/ slope. In case of compaction of granular material such as sands and gravel specified vibratory rollers shall be used. As rolling proceeds, water sprinkling shall be done to facilitate compaction.

Rolling shall commence from the outer edge and progress towards the centre and continue until compaction is to the satisfaction of the Engineer. All soft spots shall be made good by removing, refilling with approved soil and compaction.

At locations where it is not possible to use mechanical equipment /rollers because of space restrictions / any other condition, the Bidder shall be permitted to use pneumatic tampers, rammers, manual compaction etc. provided proper compaction is ensured.

All excavations shall be kept free of water. Grading in the vicinity of excavation shall be proper to prevent surface water running into excavated areas. Bidder shall remove by pumping or other means (as approved by Engineer in-charge) any water, inclusive of rainwater and subsoil water accumulated in excavation pits and maintain all excavations in dewatered conditions until the foundation concrete work is completed and the pit is backfilled. Scheme of dewatering shall be approved by Engineer; but in any case, the pumping arrangement shall be such that there shall be no movement of subsoil or blowing in due to differential head of water during pumping. Pumping arrangements shall be adequate to ensure that construction is progressing and there are no

delays attributable to occurrence of water in the pits. Sumps made for dewatering must be kept clear of the excavations/ trenches required for further work. The Bidder shall protect the earth fill from being washed away by rain or being damaged in any other way. Should any slip occur, the Bidder shall remove the affected material and make good the slip at his cost.

To ensure that the fill has been compacted as specified, field and laboratory tests shall be carried out by the Bidder at his cost. Field compaction test may be carried out at different stages of filling for full height. The compaction test, shall comply with the Modified Proctor density at moisture content differing not more than ± 4 percent from the optimum moisture content. The Bidder shall demonstrate adequately at his cost, by field and laboratory tests that the specified density has been obtained.

The fill shall be carried out to such dimensions and levels as indicated on the drawings after the stipulated compaction. The fill will be considered as incomplete if the compaction test does not achieve the stipulated value/ result.

- **Anti Termite Treatment**

- 1) Scope**

- The scope of work includes anti-termite chemical treatment of the structures against attack by termites.

- The work shall be executed as specified in IS: 6313 Part-II and as per approved specification of the manufacturer /agency having proven special know-how for the job.

- Proper penetration and uniform distribution of treating solution shall be done in accordance with the instruction of the Engineer in-charge and approved specification of the manufacturer /agency. Soil treatment shall not be done when it is raining or when the soil is wet with rain or subsoil water.

- Chemicals conforming to IS 8963 and from approved manufacturer / agency, shall be applied by pressure pumps, uniformly over the area treated.

- Special care shall be taken at the locations, where pipes, conduits and cables enter the building. All the wooden door/window frames on the ground floor of the buildings shall be treated with insecticidal solution as per approved specification and the instructions of the engineer in-charge.

- **Concrete and allied works**

- 1) Scope**

The scope of work under this specification covers the general requirements for concrete using on-site manually / batching plants including requirements with regard to the quality, handling, storage of ingredients, proportioning, batching, mixing, transporting, placing, curing, protecting, repairing, finishing and testing of concrete; grouting, quality and adequacy for making and providing formwork along with its supporting scaffolding/ props; requirements with regard to the quality, storage, bending, binding and fixing of reinforcement steel etc.

All works shall be in accordance with the relevant Indian standards and codes, best established engineering practices and as directed by Engineer in-charge from time to time. The decision of Engineer as regards the specification to be adopted and their interpretation and the mode of execution of work shall be final and binding on Bidder and no claim whatsoever will be entertained on this account.

Engineer in-charge shall have, at all times , the right to inspect all materials, equipments and operations including the sources of materials, procurement, transportation, storage of materials, the concrete batching and mixing equipment, and the quality control system, for approval. Such an inspection shall be arranged by the bidder to obtain Engineer's approval, prior to starting of any concrete work. This shall, however, not relieve Bidder of any of his responsibilities with regard to quality, adequacy and usefulness of the job. Materials not conforming to the specifications shall be rejected and immediately removed from the site by the bidder.

Materials and operations shall satisfy the design requirements of strength, serviceability, safety, durability and finish with due regards to the functional requirements and the environmental conditions to which the structure will be subjected. Generally, materials complying with relevant codes/standards shall only be used. Other materials may be used in certain circumstances only after approval of the Engineer in-charge provided their performance suitability based on previous data, experience or tests can be established.

- **Materials**

- 1) Fine and Coarse Aggregates**

Aggregates shall comply with the requirements of IS: 383 "Coarse and Fine Aggregates for Concrete". The aggregates shall be hard, strong, dense, durable, clean and free from all deleterious impurities and shall be obtained from approved sources. Aggregates shall not contain any harmful material such as pyrites, coal, lignite, shale or similar laminated material, clay, alkali, soft fragments, seashells and organic impurities in such quantity as to affect the strength or durability of concrete.

Aggregates, which are chemically reactive with alkalis of cement, shall not be used.

All aggregates shall be subject to inspection and testing from time to time. Sampling and testing shall be carried out in accordance with IS: 2386 "Methods of Test for Aggregates for concrete". The grading shall conform to IS: 383 and shall be within the limits of Grading Zone-II. The maximum size of particle shall be 4.75mm and shall be graded down. Sand containing more than 10% of fine grains passing through 150-micron sieve shall not be used for concrete work. The fineness modulus of sand shall be between 2.5 to 3.0 for use in concrete work.

The nominal maximum size of the aggregates for concrete work according to relevant clauses of IS: 456 and shall be 20mm and down graded. The aggregates shall be well graded; grading shall conform to relevant requirements of IS: 383. The maximum size of coarse aggregate shall be as stated on the drawings, but in no case greater than 1/4th the minimum thickness of the member.

The grading of fine aggregate for mortar and grout shall be within the limits of grading zone II and as defined in IS: 383.

The coarse aggregates shall be crushed or broken from hard stone obtained from approved quarries of igneous or metamorphic origin. The stone chips shall be hard, strong, dense, durable and angular in shape. It shall be free from soft, friable, thin, flat, elongated or laminated and flaky pieces and free from dirt, clay lumps, and other deleterious materials like coal, lignite, silt, soft fragments, and other foreign materials which may affect adversely the strength & durability of concrete. The total amount of deleterious/foreign materials shall not exceed 5% by weight as per IS: 383-1970. The stone chips shall be screened and washed before use where necessary.

Care shall be taken in the storage to avoid intrusion of any foreign materials into the aggregates. Where two or more types of aggregates are stored close to each other, proper segregation shall be done to avoid mixing up.

2) **Cement**

Portland Slag Cement and Portland pozzolana cement complying with the requirements of relevant IS shall be used for making plain and reinforced concrete, and mortar.

The source of supply, type or brand of cement within the same structure or portion thereof shall not be changed without prior approval from the

Engineer in-charge.

The sampling of cement for testing shall be according to IS: 3535. All tests shall be in accordance with the relevant clauses of IS: 4031 (Part-I to Part-15) & IS: 4032.

From the time a consignment of cement is delivered at site and tested and approved by the Engineer until such time as the cement is used on the works, the Bidder shall be responsible for keeping the same in sound and acceptable condition and at his expense and risk. Any cement found deteriorating while in the Bidder's charge shall be rejected as unsuitable by the Engineer in-charge, which shall be removed from the site to outside the limits of work at the cost of Bidder.

In order to ensure due progress, the Bidder shall at all times maintain on the site at least such stock of cement as decided by the Engineer in-charge from time to time. No cement shall be used upon the works until it has been accepted as satisfactory by the Engineer.

The cement shall be stored in such manner as to permit easy access for proper inspection and in a suitable weather-tight, well-ventilated building to protect it from dampness caused by ingress of moisture from any source. Different types of cement shall be stored separately. Cement bags shall be stacked at least 200mm clear off the floor leaving a space of 600mm around the exterior walls. The cement shall not be stacked more than 10 bags high. Cement stored for more than 90 days shall be tested prior to use on work.

3) **Water**

Water used for mixing concrete and mortar and for curing shall be clean and free from impurities such as oil, acid, alkali, salts, organic materials or other substances that may be deleterious to concrete or steel. The pH value of water shall generally be not less than '6'. Water for both mixing and curing shall meet the requirements of IS: 456. Water shall be obtained from an approved source. Potable water is generally acceptable, where it is obtained from a source other than a drinking water supply main, it shall be tested to establish its suitability. Water for construction purpose shall be stored in proper storage tanks to prevent any organic impurities getting mixed up with it. Bidder shall make his own arrangements for storing water at site in tanks to prevent contamination.

Calcium chloride shall not be used for accelerating set of the cement for any concrete containing reinforcement or embedded steel parts.

Admixtures may be used to modify one or more of the following properties of fresh concrete with care being taken to ensure that other properties are not affected adversely:

- a) To retard or accelerate both initial and final setting times.
- b) To increase workability without increasing water content or to decrease the water content at the same workability.
- c) To reduce segregation of concrete, mortars and grouts.

Admixtures used as integral waterproofing agent shall be free of chlorides and sulphates and shall conform to IS: 2645. The application and quantity shall be as per manufacturer's specification.

4) **Reinforcement Steel**

Reinforcing steel bars for concrete shall be round steel bars of the following types:

All reinforcement bars shall be of uniform cross sectional area and be free from loose mill scales, dust, loose rust, coats of paint, oil or other coatings which may destroy or reduce bond.

All material shall be stored in a manner so as to prevent its deterioration and contamination which would preclude its use in the works. Requirements of IS: 4082 shall be complied with.

5) **Routine Test**

All materials used for the works shall be tested before use. Manufacturer's test certificate shall be furnished for each batch of cement/steel and when directed by Engineer. Representative Samples shall also be got tested by the Bidder in any external laboratory approved by Engineer in-charge at no extra cost to Owner. Bidder shall furnish manufacturer's test certificates and technical literature for the materials proposed to be used.

The routine tests of materials, delivered at site shall be at the following intervals:

Aggregates	-	Fortnightly or for every 100m ³ for each aggregate sizes
whichever is earlier.		

Cement	-	Fortnightly or for each consignment.
Water	-	Once in two months for each supply source.

6) **Concrete**

The section below deals with the requirements of various grades of concrete and the parameters that need special attention to achieve dense concrete with the specified strength.

Concrete work shall be carried out as per IS: 456. Mix design concrete shall be used for all areas other than lean concrete work and plain cement concrete where nominal/volume mix can be permitted. Design mix shall be carried out as per IS: 10262. Specific approval of the Owner / Engineer/ Consultant shall be obtained regarding degree of quality control to be adopted for design mix.

Higher grade of concrete than specified above may be used at the discretion of the Owner.

Unless otherwise specified, 20mm and down aggregates shall be used for all structural concrete works.

Mix Design:

General:

At the commencement of the contract the Bidder shall make preliminary tests to determine the proportions by weight of cement, fine aggregates, coarse aggregates and water necessary to produce required grades of concrete. The mix proportions shall be selected to ensure that workability of the fresh concrete is suitable for the conditions of handling, placing and finishing as well as it develops the required strength, durability and surface finish upon hardening. The Bidder shall get approval of Engineer to proportions before he starts concreting. Such approval shall not relieve the Bidder of his responsibility to produce concrete having the required compressive strengths.

No departure from the approved proportions will be permitted unless the Engineer in- charge gives written permission for any change in proportion. The Engineer shall have authority at any time to check whether the mixing of concrete is carried out according to the approved proportions. The design of mixes shall be made by the Bidder at his own cost, for each grade of concrete as well as for various workability requirements. The cement content for various grades of concrete shall be based on design mix. However, irrespective of requirement of cement

found out from design mix, cement content of concrete shall not be less than the quantities specified hereunder except for the cases specifically approved by the Engineer.

Water Cement Ratio

Where a particular water cement ratio is stipulated in the design or drawing along with the characteristic grade of concrete, the design of mix shall be carried out by adjusting the other variable factors to obtain the characteristic strength of concrete with stipulated water cement ratio. In the structures where the impermeability and shrinkage of concrete have an important bearing on the durability and serviceability of the structures, the water cement ratio shall be kept low and preferably not exceeding 0.45. The water cement ratio, as achieved in the Mix Design or as specified in the drawings shall be adhered to strictly and shall not be varied without the permission of the Engineer.

Placing and Compaction of Concrete

Before placement of concrete, the Bidder shall get all the form works, reinforcements, inserts, conduits, openings, surface preparation etc., checked and approved by the Engineer in-charge. To facilitate such checking, the Bidder shall complete all his works according to the drawings and specifications well in advance before placement of concrete at least 36 hours for all major/important/complicated works and 24 hours for all normal works. The checks are purely in the interest of the work and to draw the Bidder's attention to his contractual obligations to execute the works according to the drawings/specification and do not relieve the Bidder from his responsibility in getting the end results for the quality & strength of concrete and for maintaining the shape, level & dimensions of the finished concrete, as well as the inserts, openings, other features within the tolerance limits.

All concrete works shall normally be placed at or below soil level and where in touch with soil with a levelling layer of lean concrete M15. In such cases the earth shall be rammed and consolidated as directed by the Engineer such that it does not crumble and get mixed with the lean concrete during or after placement. If the foundation is quite wet, the same shall be kept dry and then sufficiently consolidated; if necessary, wet soil/ unsuitable soil shall be removed and replaced by sand or other suitable materials as directed by the Engineer at no extra cost to the Owner. Utmost care shall also be taken that earth from the sides also does not get mixed with the concrete, during or after placement, before it has sufficiently set and hardened.

The concrete shall be placed and compacted before setting commences & should not be subsequently disturbed. No water shall be mixed with

the concrete after it has left the mixer. Method of placing should be such as to preclude segregation. Approved mechanical vibrator shall be used for compacting concrete, and concrete shall not be over vibrated or under vibrated. No concrete shall be placed until the place of deposit has been thoroughly inspected and approved by the Engineer. All inserts and embedments properly secured in position and checked and forms properly oiled. No concrete shall be placed in the absence of the Engineer. Concrete shall be placed on a clean surface free of all debris and other objectionable materials. Concreting shall not be done during rains unless all precautions have been taken by the Bidder and permission has been given by the Engineer.

Concrete shall not be dropped from a height of more than 2m except through a chute, the design and type of which shall be subject to approval of the Engineer. The concrete shall be placed, spread and compacted by approved mechanical vibrator. Vibrators shall not be used for pushing concrete to adjoining areas. For members involving vertical placing of concrete (eg. columns, walls etc.,) each lift shall be deposited in horizontal layer extending the full width between shuttering and of such depth that each layer can be easily and effectively vibrated and incorporated with the layer below by means of compaction. For member involving horizontal placing of concrete (e.g. slabs, beams etc.,) the concrete shall be placed along the line of starting point in such quantities as will allow members to be cast to their full depth along the full width between side shuttering and then gradually brought towards the finishing point along its entire front parallel to the starting line. Vibration and surface finish shall follow behind the placement as closely as possible. Utmost care shall be taken to avoid the displacement of reinforcements/ embedded parts or movement of formwork or damage to faces of the formwork or transmission of any harmful vibration/shocks to the concrete, which has not yet hardened sufficiently.

All members shall be concreted at such a rate that no cold joint is formed and fresh concrete is placed always against green concrete, which is still plastic and workable. Should any unforeseen occurrence results in a stoppage of concreting for one hour or such other time as might allow the concrete, already placed, to begin to set before the next batches can be placed, the Bidder shall make at his own cost, suitable tongue and groove construction joint, as approved by the Engineer. Any additional reinforcement required as directed by the Engineer shall also be provided at no extra cost to Owner. Before placement of new batches of concrete over that construction joint, the surface preparation according to this specification, stipulated earlier, shall be done by the Bidder. The concrete shall be worked well up against whatever surface it adjoins and compacted to such a degree that it reaches its maximum density as a homogeneous mass, free from air and water holes and penetrates to all corners of moulds and

shuttering and completely surround the reinforcement. All measures shall be taken to make the shape, size, and location of the finished concrete including its embedments, holes, openings etc., well within the accepted tolerance limit.

- **Curing of Concrete**

The purpose of curing is to prevent loss of moisture from the concrete itself so that the cement inside the concrete is sufficiently hydrated which of course is slow and prolonged process. As soon as the concrete has hardened sufficiently the curing shall be started. To cure the concrete properly and sufficiently is also the sole responsibility of the Bidder.

This is done either by ponding or spraying water. Ponding is widely used for curing slab and pavements. Small earth bunds are formed over the edges of the slab and water is pumped or poured into them and the same is replenished at interval to make up for the loss of evaporation. As this type of curing is one of the best methods, 7 days of curing after final setting is sufficient. Curing is done by spraying water by suitable means at approved time/ interval. While spraying, it shall be ensured that the complete area is covered. In order to avoid cracking, cold water shall not be applied to massive members immediately after striking the formwork, while the concrete is still warm. Alternate wetting and over drying shall be avoided. Curing by spraying water shall be continued for at least 10 days after final setting.

- **Testing of Concrete**

- a) The Bidder shall carry out, entirely at his own cost, all sampling and testing in accordance with the relevant I.S. standards and as supplemented herein. The Bidder shall get all tests done at his site laboratory and/ or an approved external laboratory as per the instructions of the engineer in-charge and submit to the Engineer the test result in triplicate.
- b) At the place of both mixer and pouring concrete and, mixer point slump tests shall be carried out by the Bidder in accordance with I.S. 1199 as directed by the Engineer in - charge.
- c) The results of the slump tests/ tests shall be recorded in a register for reference duly signed by both the Bidder and the Engineer. That register shall be considered as the property of the owner and shall be kept by the Bidder at site in safe custody.
- d) For any particular batch of concrete, if the results do not conform to the requirements as specified or do not conform to any requirement of this specification, the Engineer has the right to reject that batch and the Bidder shall remove the same immediately from the site, at no cost to the owner.

- **Strength Test of Concrete**

- a) While placing concrete the Bidder shall make 6 nos. of 15 cm test cubes from particular batches of concrete as desired by the Engineer. The frequency of taking test cubes shall be according to IS: 456 or as directed by the Engineer.
- b) The cubes shall be prepared, cured and tested according to IS: 516. Out of the 6 nos. of test cubes 3 shall be tested for compressive strength at 7 days after casting and the remaining 3 at 28 days after casting.
- c) A register shall be maintained at site by the Bidder with the following details entered for the cubes and signed both the Bidder and the Engineer. That register shall be considered as the property of the Owner.
 - Ø Mark on cubes
 - Ø The grade of concrete
 - Ø The mix of concrete
 - Ø Date and time of casting
 - Ø Crushing strength at 7 days
 - Ø Crushing strength at 28 days
 - Ø Any other information directed by the Engineer
- e) The acceptance criteria of concrete on strength requirement shall be in accordance with the stipulations under IS: 456.

- **Reinforcement Steel**

- 1) **General**

All steel for reinforcement shall be free from loose scales, rust coatings, oil, grease, paint or other harmful matters immediately before placing the concrete. To ensure this, reinforcements shall be cleaned thoroughly before bending and placement of the same.

- 2) **Storage**

Steel reinforcement shall be stored in such a manner that they are not in direct contact with ground. Bars of different classifications and sizes shall be stored separately. Reinforcement shall be stacked at least 15 cm above ground level and a coat of cement wash given at no extra cost to prevent scaling and rusting.

- 3) **Bar Bending Schedules**

The Contractor shall submit to the Engineer for approval Bar Bending Schedules with working drawings in triplicate, showing clearly the arrangements proposed by the Contractor to match available stock of reinforcing steel, within one month of receipt of the

Letter of Intent or of the receipt of the relevant design drawings, whichever is later. Upon receipt of the Engineer's final approval of the Bar Bending Schedule and drawings, the Contractor shall submit 6 (six) prints of the final drawings with one reproducible print after incorporating necessary modifications or corrections, for final record and distribution. Approval of such detailed drawings by the Engineer shall not relieve the Contractor of his responsibility for correctness nor of any of his obligations to meet the other requirements of the Contract.

4) **Cleaning**

All steel for reinforcement shall be free from loose scales, oil, grease, paint or other harmful matters immediately before placing the concrete.

5) **Bending and Placing**

Bending and placing of bars shall be in conformity with IS: 2502 "Code of Practice for Bending and Fixing of Bars for Concrete Reinforcement" and IS 456 "Code of Practice for Plain and Reinforced Concrete".

6) **Lapping / Welding of Reinforcement**

Normally the lapping of reinforcement bars shall be by mechanical means satisfying the requirements of IS:456. However, in case of congestion of reinforcement the welding of reinforcement may be adopted with special approval of Engineer.

Welding of mild steel reinforcement bars conforming to IS:432 (Part-I) and shall be done in accordance with IS: 2751 "Code of Practice for Welding of Mild Steel Bars used for Reinforced Concrete construction".

All reinforcements shall be accurately fixed and maintained in positions as shown on the drawings and by adequate means like mild steel chairs and/or concrete spacer blocks as required. Bars intended to be in contact at crossing points, shall be securely tied together at all such points by 20G annealed soft steel wire or by tack welding in case of bars larger than 25mm dia, as may be directed by the Engineer. Binders shall tightly embrace the bars with which they are intended to be in contact and shall be securely held. The vertical distance between successive layer bars shall be maintained by provision of mild steel spacer bars. They should be spaced such that the main bars do not sag perceptibly between adjacent spacers. The binding wires shall be soft annealed black wire.

Clear cover shall be as specified in the drawings. If nothing is specified in the drawing the clear cover shall be in accordance with the relevant clause of IS 456.

- **Shuttering**

- 1) **General**

All shuttering, formwork, supports and staging shall be designed by the Bidder and be subject to approval by the Engineer. The Bidder shall submit drawings and calculations to the Engineer for scrutiny when called upon to do so. The Bidder shall be responsible for the correctness and strength of the formwork including its supports and centering and approval by the Engineer will not relieve him of responsibilities.

The staging and supports may be of round or sawn timber or tubular or other shapes in steel. Round timber shall preferably extend over the full height in one piece. These shall be securely jointed or otherwise fastened and spaced at suitable intervals as the design may warrant and shall be suitably braced at regular intervals horizontally and diagonally.

The formwork shall be of steel plate on steel frame, wooden boards with steel sheet lining, or plywood or seasoned timber board. For ornamental and curved surfaces, the material shall be very good seasoned timber or plywood.

The shuttering shall conform to the shapes, lines, levels and dimensions shown in the drawing. It shall be fixed in perfect alignment and securely braced so as to be able to withstand, without appreciable displacement, deflection or movement of any kind, the weight of all construction, movement of persons and plant. It shall be so constructed as to remain rigid during the placing and compacting of concrete without shifting or yielding and shall be sufficiently water tight to prevent loss of slurry from the concrete.

All props shall be supported on sole plates and double wedges. At the time of removing props these wedges shall be gently eased and not knocked out. The formwork shall be so designed that the sides are independent of the soffits and the side forms can be removed easily without any damage or shock to the concrete.

Wrought shuttering shall be such as to produce a first class fair face on the concrete free from board marks or any other disfigurements. This shall be used for exposed surfaces where specified or directed by the Engineer. It may be made of heavy quality plywood or steel sheets having smooth, plain surface.

The joints in shuttering shall be arranged in a regular pattern approved by the Engineer. Wrought shuttering shall be aligned within a tolerance of 3mm.

Rough shuttering shall be used for all surface of concrete walls, footings etc., which are not exposed in the finished work or which are to receive plaster and as directed by the Engineer. It may be made of

timber, ordinary plywood or steel sheets.

Before any concreting is commenced the shuttering shall be carefully examined for dimensional accuracy and safety of construction. The space to be occupied by concrete shall be thoroughly cleaned out to remove rubbish, debris, shavings and saw dust. The surface in contact with concrete shall be coated with an approved substance such as mould oil or other non-staining mineral oil to prevent adhesion. Where necessary the surface shall be wetted to prevent absorption of moisture from concrete. Care shall be taken to avoid the reinforcements coming in contact with shutter oil.

2) **Removal of Forms**

Removal of forms shall never be started until the concrete has thoroughly set and aged to attain sufficient strength to carry twice its own weight plus the live load that is likely to come over it during construction. Shuttering shall be removed without shock or vibration and shall be eased off carefully in order to allow the structure to take up its load gradually and also without disfiguring the concrete surface.

Walls, columns & vertical faces	24 to 48 hours as may be directed by the Engineer.
Bottom of slab upto 4.5m span	7 days
Bottom of slab above 4.5m span and bottom of beam and arch, rise upto 6m span	14 days
Bottom of beam and arch rise over 6m span	21 days

These periods may be increased at the discretion of the Engineer. Special care shall be taken while striking the shuttering of cantilevered slabs and beams, portal frames etc. Before removing the formwork, the Contractor must notify the Engineer to enable him to inspect the condition of the finished concrete immediately after the removal of the form works.

▪ **TECHNICAL SPECIFICATIONS FOR STRUCTURAL STEEL WORKS**

Scope

Structural steelwork shall include:

Preparation and supply of fabrication drawings, erection drawings, material lists, site-bolt list, As Built drawings and dispatch documents for

the steel structures /sheeting's/ glazing, etc in the bidder's scope.

Supply, fabrication, shop painting, finish painting at site, transportation, delivery and storage of all steel structures and sheeting including site bolts, electrodes, sheeting fixtures etc. complete in all respects, erection (including tools, tackles, cranes and any staging or false work required for erection), handling, transport and rectification of damaged structures, fixing, bolting, welding, alignment, levelling etc of all steel structures, complete in all respects.

Transportation and Storage

All pieces shall be properly identified and bundled for transportation to work site. Care shall be exercised in the delivery, handling and storage of material to ensure that material is not damaged in any manner.

Bolts and inserts shall be securely fixed in position as shown in the drawings, before commencement of concreting. Bolts shall be checked for accuracy in alignment on both the axes.

All threads for bolts and inserts shall be greased at intervals and kept covered to prevent damage.

Transportation and Storage

All pieces shall be properly identified and bundled for transportation to work site. Care shall be exercised in the delivery, handling and storage of material to ensure that material is not damaged in any manner.

Drawings

The Contractor will prepare detailed steel structural fabrication drawings based on design drawing for fabrication within the time schedule as per contract. Necessary number of prints of drawings and documents; as per contract will be submitted. Bill of materials will form part of the fabrication drawings and will be included in the body of the drawing or prepared separately.

▪ Fabrication of Steel Structures

1) Material of Construction

All steel and other materials used for steelwork and in association with steelwork will conform to appropriate Indian standards. Only tested materials will be used unless written authority is obtained for the use of untested materials for certain secondary structural members.

2) Method of Construction

The method of construction will be either by welding or by bolting limiting the site work to the minimum possible.

3) Structural Steel Connection

The Contractor will be responsible for the design and the detailing of all connections. The design of connections will provide for adequate

strength for the transfer of force in the structural elements indicated on the design drawings. For purposes of detailing of connections, the allowable stresses in material, bolts and welds will be as per IS: 800 and IS: 816 or as specified in the design drawings.

4) **Fabrication**

Fabrication of all structural steelwork will be in accordance with IS:800 or their equivalent foreign national standard of the country of origin of supply unless otherwise specified, and in conformity with various clauses of this Specification.

▪ **Erection of Steel Structures**

1) **General**

The erection of steel structures includes erection and transport of tools and tackles, consumables, materials, labour and supervision in addition to the following:

- a) Storing and stacking at site of erection of all fabricated structural components/ units/assemblies till the time of erection.
- b) Transportation of structures to site.
- c) Receiving at site of structures including site handling /movement, unloading, storing and stacking at site of erection of technological structures such as bunkers and the related structures
- d) All minor rectification/modification such as:
 - i. Removal of bends, kinks, twists, etc. for parts damaged during transport and handling;
 - ii. Cutting chipping, filing, grinding, etc., if required, for preparation and finishing of site connections;
 - iii. Reaming for use of next higher size bolt for holes which do not register or which are damaged.
 - iv. Welding of connections in place of bolting for which holes are either not drilled at all or wrongly drilled during fabrication.
- e) Fabrication of minor items/missing items or such important items as directed by the Owner Consultant.
- f) Assembly at site of steel structural components wherever required including temporary supports and staging.
- g) Making arrangements for and providing all facilities for conducting ultrasonic X-ray or gamma ray tests on welds; getting the tests conducted by reputed testing laboratories, making available test films/ graphs, reports and interpretation.
- h) Rectifying at site, damaged portions of shop primer by cleaning and touch-up paint.
- i) Erection of structures including making connections by bolts/high strength friction grip bolts/weldings.
- j) Alignment of all structures true to line, level plumb and dimensions within specified limits of tolerances as per IS code IS:12843 "Tolerance for Erection of Steel Structures".
- k) Application of second coat of primer paint and two coats of finishing paint at site after erection.
- l) Supply of labour in sufficient numbers, where necessary, as directed

by the Owner / Consultant.

m) Conducting preliminary acceptance and final acceptance tests.

n) Preparation of as built drawings, preparing of sketches/drawings to suit availability of material, convenience of fabrication, transportation and erection and changes during fabrication and erection.

2) **Storing and Handling**

The fabricated materials on receipt at site will be carefully unloaded, examined for defects, checked, stored out for each building and stacked securely on skids above level ground which will be kept clean and properly drained. The fabricated materials will be verified with respect to markings on the marking plan or shipping list which will be supplied by the Contractor.

Any material found damaged or defective will be stacked separately and the damaged or defective portions will be painted in distinct colour for identification. Such materials will be dealt with as ordered by the Owner / Consultant. No member slightly bent or twisted will be put in place until the defects are corrected. Members seriously damaged in handling will be rejected.

3) **Painting after erection**

The painting will be as per painting specifications and instructions given on the drawings.

4) **Acceptance of work**

Acceptance of erected steel structures will be either after completion of erection of the whole building or in blocks.

5) **Painting of Building Steel Structures**

All steel structural work will be painted as follows unless otherwise stated in the drawings.

The steel surface which is to be painted will be cleaned of dirt and grease, and the heavier layers of rust will be removed by chipping prior to actual surface preparation to a specified grade. All paints will be of approved make and shade.

Application of paint will be by spraying or brushing as per IS: 486 and IS: 487 and in uniform layers of 50% overlapping strokes by skilled painters. Painting will not be done when the temperature is less than 5 degree C or more than 45 degree C and relative humidity is more than 85%; unless manufacturer's recommendations permit. Also painting will not be done in foggy weather. During application, paint agitator must be provided where such agitator is recommended by the manufacturer.

Painting will be applied at painting manufacturer's recommended rates. The number of coats will be such that minimum dry film thickness specified is achieved. The dry film thickness (DFT) of painted surfaces will be checked with ELCOMETER or measuring gauges to ensure specified DFT.

All structures will receive one coat of primer paint at shop after fabrication before despatch after surface preparation has been done as per requirements. Unless otherwise specified all structures after erection will be given one coat of primer and two coats of finishing paint of approved colour and quality. The under coat will have different tint to distinguish the same from the finishing coat. Edges, corners, crevices, depressions, joints and welds will receive special attention to ensure that they receive painting coats of required thickness.

Part of steel structures embedded in concrete, will be given a protective coat of portland cement slurry immediately after fabrication after this part is thoroughly cleaned from grease, rust, mill scales etc. No paint will be applied on this part.

Zinc-rich primer paints, which have been exposed several months before finishing coat is applied, will be washed down thoroughly to remove soluble zinc salt deposits. In similar circumstances, the surface of paint based on epoxy resin should be abraded or lightly blast cleaned to ensure adhesion of next coat.

Electrical Work:

Scope of work shall cover the design, manufacture, assembly, testing, supply, delivery including insurance, properly packed for transport to site, storing at site of complete building electrical work and as required for efficient and trouble free operation.

The scope of electrical installation work includes erection, testing, commissioning, and putting into successful commercial operation, cabling work, lightning protection, stringing and connections, illumination systems including supply of erection consumables, hardware, and other material, labour, tools, tackle, etc.

Split Room Air Conditioner with adequate capacity shall be provided in all the rooms for controlled environment in respect of temperature, cleanliness and noise.

TENTATIVE LIST OF DRAWINGS:

Description	Drawing No.
Master Layout of Resort Project at MIM Tea Garden	MP/MRP/001/JUN/REV-0
Structural Drawing	AYR/STRUC/REV-01
Balcony Elevation Detail	AY/RST/OPND/BCNY/ELEV/001
Front Elevation Detail	AY/RST/FRONT/ELEV/BCNYS-001
Back Elevation Detail	AY/RST/BACK/ELEV/PRJE-001
Restaurant Entry Elevation	AY/RST/ENT/ELEV/PS-001
Sectional Layout	AYR/SEC/LAYOUT
Typical Side Elevation of the Cottage	AY/MM/CTG/SD-ELEV/001
Cottage Floor Description	AY/MIM/CTG/FLR/DES/001
Toilet Floor Details	AY/MIM/CTG/TOI/FP/001
False Ceiling Pattern	AY/MIM/CTG/FC/LYOT/001
Toilet Wall Elevation	AY/MIM/CTG/W-BSN/SHW/CBN-ELEV/001
Details of Door & Window	AY/MIM/CTG/HBW-ELEV/001
Front Elevation of the Cottage	AY/MIM/CTG/FRNT-ELEV/001
Back Side Elevation of the Cottage	AY/MIM/CTG/BSD-ELEV/001
Dimension Layout of Cottage	AY/MIM/CTG/DIM/001
Structural Drawing Details of Cottage	MIM 001 ST
Roofing Drawing Details of Cottage	MIM 002 ST
Roof Detail Layout	AY/MIM/CTG/ROOF/LYOT/001
Typical Side Elevation of the Cottage Annex Side	AY/MIM/CTG/SD-ELEV/ANX/001
Elevation of Sofa cum Bed Wall	AY/MIM/CTG/SCB-ELEV/001

D. Scope of Services:

1. Allotting (accommodation) rooms to the guests coming (with prior intimation to Tea Garden Management); manning the reception /office, maintenance of allotment register, billing, running kitchen for food service, round the clock room service during home stay occupancy, laundry service, perfect upkeep of rooms by good housekeeping and any other related services required for such home stay facility be successful. Maintenance and cleaning on daily basis of all the rooms (with toilet cum bath), pantry, dining hall, glass window pane, venetian blinds and all fixtures/furniture at the cottages shall be the duty of Vendor. A status report on day to day basis will be maintained by the supervisor as a permanent record and may be sent to the Tea Garden

Manager daily.

2. Bedroom linen and Bathroom towels shall be changed on regular basis. In case of higher requirement (during high occupancy) fresh linen, towel etc. should be provided as per requirement. A floor register for this purpose shall be maintained by the Vendor and will be scrutinized by Garden officials from time to time. Requests of guests should be accommodated, such as for more towels, and logged in the floor register.
3. Floors of the rooms and corridor/wings will be cleaned daily with ISI mark detergent/phenyl (harmless WHO certified chemicals) and will be kept clean at all times. Carpets wherever available, shall be cleaned daily by vacuum cleaner and dry cleaning will be done on quarterly basis or earlier, as per requirement. Cleaning of sofa set, covers, curtains will also be done on monthly/quarterly basis. The Vendor at his own expense shall arrange all consumable and cleaning materials for cleaning and dry cleaning. Mosquito repellent, anti-mosquito spray/fumigation, rodent and pest control, fly/ultrasonic repugnant, etc., shall be done as per the schedule Bathroom/toilet shall be cleaned thoroughly and mopped up every day with ISI marked phenyl/floor cleaner. Air filters of Split/Window type air conditioner will be thoroughly cleaned (every month). Deodorant/Colin/Room Spray shall be used for better results. Liquid Soap Dispenser/ Bath Soap, tissue rolls, toilet paper, bathroom freshener (odonil or equivalent), naphthalene balls, room freshener, toilet cleaner, duster brooms and the cleaning/sanitary materials etc. will be provided by the Vendor at no extra cost.
4. The Vendor should be responsible for quality cleaning of bed and bath linens as per industry norms. The Vendor should also provide laundry services to the guest(s) on payment basis at fixed rates. Reception Desk should attend to the guests' requirements.
5. Toiletry items of reputed brand(s) to be supplied by the Vendor daily in sachets (shampoo, oil, soap) etc. Daily supply can be on the basis of usage of room i.e. one sachet per person per day. A liquid hand wash of a reputed brand should be replenished the rooms regularly.
6. The Vendor shall ensure overall general maintenance, like drainage, cleaning, garbage disposal (dry and wet garbage/plastic and non-plastic waste disposal etc., in an eco-friendly manner, using protective/closed bins), services and repairs (electrical, plumbing, HVAC etc.), breakdowns, emergency relief and help on urgency basis. Vendor to ensure that his Supervisors are sufficiently trained and equipped with mobile phones.
7. The Vendor has to provide the necessary contract man-power (housekeeping, supervisors and receptionist) as required for the home-stay.

8. The Vendor shall commit to making the employees undergo periodical refresher course in order to ensure that the quality of service consistently remains high.
9. The Vendor should keep an adequate inventory of (good quality) toothbrush, toothpaste, razor, shaving cream, combs, sewing kits, ear buds, facial tissues (small packs) which may be provided to guests.
10. The Vendor shall appoint trained staff having good character and maintain high standards of turn out, maintain the number and quality of staff, as contracted and to ensure there is no hold up of any service for any reason whatsoever. The Vendor, as soon as the Agreement is signed, shall submit a list and bio-data with photo of their workmen/supervisors/others indicating their name, age, qualification, etc. As and when there is a change in the staff posted, a revised list and bio-data with photo shall be submitted along with copy of appointment order issued to the new appointee/appointees, simultaneously.
11. It is normally understood and agreed between AYCL and the Vendor that Tea Garden Manager will NOT be responsible or liable for any laws that are in force/that may come into force from time to time in respect of personnel engaged by the Vendor and the Vendor alone will be solely responsible for the terms and conditions of their services, safety, health, statutory requirement, etc. The Vendor will indemnify the Garden Manager to the above extent.
12. The Vendor shall depute supervisors (with prior consent of Tea Garden Manager), who shall be available on site to supervise the contract employees regarding delivery of the specified service.
13. It is understood and agreed that the Vendor will be held responsible for any disciplinary matters arising out of the work or conduct of their employees and the Vendor will take appropriate disciplinary action against those employees found indulging in any act of indiscipline in Centre's premises or in connection with the services referred to herein.
14. The Vendor will immediately replace any employee found to be unfit in any manner immediately or on receipt of advice from Tea Garden Manager.
15. The Vendor shall maintain proper and detailed record for the job carried out by their employees and shall also maintain all records and returns as necessary for carrying out the work smoothly and as provided under the Contract Labour Act, Minimum Wages Act, ESI Act, PF Act, etc., as relevant and applicable from time to time.

16. The Vendor shall be solely responsible to comply with all legal and statutory requirements that arise out of this tender agreement and in respect of the employees engaged by the Vendor in fulfillment of the contractual obligations stated herein.
17. It is understood and agreed that the Vendor will provide decent uniforms, badges/ID cards with photos and safety equipment and shoes to their employees.
18. It is Vendor's responsibility to have them periodically checked medically so as to ensure that medically fit staff only is deployed for the work.
19. All statutory requirements like ESI, PF, etc. as may be applicable, shall be complied by the Vendor in respect of persons engaged.
20. The Tea Garden Manager /his authorized representative will have the right to inspect/call for books/registers, documents in relation to all matters referred to in this Tender or agreed later on. The Garden management will also have all rights to make recoveries from the Vendor, if any fine / penalty / demand imposed by any statutory agency due to the Vendor's non-compliance with statutory obligations.
21. It is clearly understood and agreed upon that neither the Vendor nor his contract employees shall have any claim on employment with Garden at any point of time and this arrangement is purely between the Vendor and the Garden for specific services for the period specified.
22. The Vendor shall follow all rules as may be existing or may be framed from time to time at the Garden on all aspects covering this tender. Material movement, entry/exit of personnel, identity card, safety, etc. shall be according to procedures existing in the Garden as amended from time to time.
23. Any cost / damages incurred by the Garden, on account of such foreclosure shall be paid by the Vendor on demand by AYCL.
24. In case of insolvency and / or breach of contract anytime within 6 months the Tea Garden Manager may, at any time, by notice in writing, summarily terminate the contract without compensation to the Vendor. Security deposit will be forfeited in this case.

25. **SUGGESTIONS AND COMPLAINTS:** The Vendor shall keep a suggestion/ complaints BOX on performance of services, by the guest and produce to Garden or its representatives for perusal during their visit to ensure that prompt action has been taken on such complaints and measures taken to avoid their re-occurrence. The Vendor shall attend to all the complaints and address as early as possible to the satisfaction of the Garden. The Vendor will provide guest feedback forms in each room and collect it to tabulate the observations/feedback and address them in a time bound manner.
26. **MISBEHAVIOUR OF EMPLOYEES:** The employees of the Vendor shall maintain strict discipline and not use any violent, obscene or offensive languages while inside the premises. Smoking and consuming alcohol by the staff inside the premises is strictly prohibited. In the case of misbehavior, Garden Manager has the right to terminate the contract. It will be mandatory for the Vendor to brief their personnel in advance and apprise them of the conduct, expected for them, while working.
27. Any personnel deployed by the Vendor, refuses work or creates indiscipline would have to be immediately replaced with the consent of the Garden Manager. Garden Manager reserves the right, to ask the Vendor to terminate the services of any of the Vendor's employees immediately on grounds of noncompliance of duties or if found guilty of misconduct. Garden Management will in no way be held responsible or liable for any loss, caused by negligence or any other harmful action on the part of the employee of the Agency.
28. **Safety, Security and Insurance**
- The Vendor shall follow all security rules of the Garden and instructions received from time to time regarding issue of identity cards, all material movements.
 - During the operation of the agreement, the Vendor shall be liable fully to compensate all concerned for any loss, damage of infrastructure, person, property, etc. including third Vendor risks arising due to causes attributable to the Vendor.
 - The Vendor should take Insurance policy for the assets and lives in relation to the facility.
 - Guest back ground be checked by the Vendor for KYC compliance with relevant laws and codes of the land.
29. The Vendor will not allow or permit his employees to participate in any trade union activities or agitation in the premises.
30. All personnel/employees/workmen employed by the agency shall be, preferably, in the age group of 18-60 with good health and sound mind. The personnel/employees/workmen of the agency shall be liable to security screening by the Security Staff/Agencies deployed by the

Garden.

31. The Vendor shall not be allowed to transfer, assign, pledge or sub-contract its rights and liabilities under this contract to any other agency.
32. The employees/workmen employed by the Vendor shall always be under the direct and exclusive control and supervision of the Vendor and the Vendor may transfer its employees / workmen and in accordance with their needs, in consultation with Garden Manager.

E. Timeline for developing and commercial operation of the facility

1. The facility should be completed within fifteen 12 months from date of issue of order. If AYCL feels that the Vendor is unduly going slow, AYCL will issue notice to the Vendor to expedite and if required, would give a further extension of time of two (02) months maximum for inclement weather conditions in hills upon certification of Garden Manager . Even if after that the project is not completed, AYCL may at its discretion terminate the contract without any further notice and forfeit the Security Deposit.
2. Commercial operation of tourist cottages with kitchen and other facilities should start within two (02) month completion of the facility.
3. All drawings are to be vetted from reputed Govt. institutes.

Security Bank Guarantee

The Contractor shall submit Security Bank Guarantee from any Schedule Commercial Bank for 10% of the Contractor value valid till completion of the project.

Description	Payment Terms
Design, Construction of 8 nos. Cottages, Restaurant, reception, kitchen, utility store, open deck area including painting.	· 90% payment will be made on submission and approval of bills on pro-rata basis based on approved Billing schedule. · Balance 10% will be made after successful completion of the project.
Earth cutting, Earth procuring, Walkway, Cabanas, other MS structures etc., Water tank, UGR, Staff quarter, Parking area, office store etc.	

All electrical work, including cables, panels, interior, exterior lighting. Boulder, fencing work, Gate, Drainage & Sewerage system etc. Treated water plant, pumps, motors, DG panel etc.	
Supply of curtain, rods, mattress, linen, pillow, pillow cases, duvet, cushion, Artifacts, TV, Rugs Floor mats, photo frames, Electric kettle, Toiletries & other toilet accessories, heater etc.	100% payment will be made on submission and approval of bills on pro-rata basis based on approved Billing schedule.
Landscaping, kitchen equipment, linen, room amenities, laundry equipment, housekeeping crockery, website video marketing etc.	

Design & Engineering

- 90% payment will be made on submission and approval of drawings on pro-rata basis based on approved Billing schedule.
- Balance 10% will be made after successful completion of the project.

Supply, Civil and Erection

- 90% payment will be made on submission and approval of drawings on pro-rata basis based on approved Billing schedule.
- Balance 10% will be made after successful completion of the project.

All payment will be made within 30 days from the date of submission of certified bills.

Billing Schedule

The Contractor shall prepare and submit to the owner for approval the item wise Billing schedule (detailed breakdown of contract price) for the total work to be executed within 30 days from the date of receipt of LOI/PO.

Force Majeure

Any delay or failure in the performance of either party hereto will not constitute default thereunder or give rise to any claim for damages, if any, to the extent such delays or failure of performance is caused by the occurrence such as acts of god or the public enemy, appropriation or confiscation of facilities by Govt. Authorities, acts of war, rebellion or sabotage, fires, explosions, labour unrest, riots and illegal strike.

Labour Law and Local Regulations

The Contractor shall abide by the prevailing labour laws and shall have to obtain labour license from the appropriate authority as per law at his cost and shall indemnify the Purchaser about his financial and other obligations arising out of labour/workers employed by him. On obtaining the same, the Contractor at appropriate time shall submit certified photocopy of the same to Purchaser. The Contractor and its subcontractor(s) shall possess valid PF & ESI code.

Contractor's Equipment: Tools tackles & Machinery

The Contractor shall provide all construction/erection machinery, tools, tackles and scaffolding required for civil work and fabrication and erection of steel works.

Subcontracting:

The Contractor will have to take written permission from the Purchaser before subcontracting the job elsewhere.

Indicative Bill of Materials

Unless otherwise specified all the activities/Items shall include all Labours and materials , Plants and Equipments, Tools and Tackles and shall be done as per the specifications, approved drawings/details, specification and instructions issued from the Engineer at all depths, locations and heights etc. complete. The quoted rate also should include the cost of shifting to the required locations, floors, tools & tackles, machineries, wastages and including all taxes, GST etc. should be mentioned separately. All works to be executed as per relevant IS Codes.

SI No.	Description of items	UOM	Quantity
1	All charges for dismantling concrete and rock heads projecting above cut-off level exposing the surface and removing of the debris at designated dump yard as specified by statutory authorities under contractor's own arrangement including all statutory sanction and royalties if any shall be paid by the contractor. If the dismantled material is not being advised Owner to dispose it off, it shall be the property of the owner.		
	Quantity Lumpsum	L.S.	1.00
2a	Earth work In Excavation in all kinds of Soil upto 1.5 mtr incl cartng away to designated area	CUM	5138.43
2b	Earth work In Excavation in all kinds of Soil above 1.5 mtr incl away to designated area	CUM	7983.84
3	Anti termite treatment confirming to IS 6313 part II	Sqm	847.51
5	Backfilling/Filling with excavated earth compacted in layers	CUM	765.10
5.1	Backfilling/Filling with approved sand compacted in layers	CUM	211.91
6	Concrete or hard rock dismantling	CUM	60.00
7	Plain Cement Concrete M15 grade with 20 mm down coarse aggregate	CUM	151.36
8	Reinforced Cement Concrete - Footing, Column, All Beams, Slab, Lintel M25 grade of conc	CUM	397.09
9	Formwork upto substructure	Sqm	1754.86
9a	Form work above superstructure	Sqm	1081.62
10	Reinforcement Work upto Substructure	MT	23.23

10a	Reinforcement Work at Substructure	MT	25.46
11	Soling with flat brick of conventional brick of 2nd grade	Sqm	1390.98
11a	Brickwork in Super structure from GF to All Floors - 75mm thk	Sqm	334.11
11b	Brickwork in Super structure from GF to All Floors - 250mm thk	CUM	526.62
12a	12mm thick plaster on internal surfaces of RCC /brick/block walls in cement mortar 1:4	Sqm	1628.95
12b	Providing and applying 25mm thick external sand face plaster in two coats for external surfaces of masonry, RCC pergola, Chajja etc. with a base coat of 15mm thick in cement	Sqm	1056.77
12c	Providing Grooves in external plaster	Rmt	629.70
13	MS Struss work as per drawing given	MT	9.72
13s	M.S. Inserts, plates, angles, etc as per drawings	MT	1.91
13b	0.47 TCT colored galvalume sheets on purlins including fixing - Tata,	Sqm	1129.91
14	3mm thick pre-fabricated plastomeric water proofing membrane conforming to EN 12311-1 & ASTM D 5147	Sqm	628.48
1.2	25 mm avg Cement concrete (1:1.5:3) for screeding over waterproofing	Sqm	50.79
16	Floor Tiles of branded make or Imported Tile rate not less than 150/sft	Sft	4230.66
17	Wall plain and decorative tiles with highlighters Avg Tile rate not less than 80/sft	Sft	4366.29
18	Granite of 18 mm thick - Black, Jaisalmer Yellow, Galaxy, Tan Brown etc	Sft	358.84
19	Ceramic scrap waste tiles under wooden floor. Base tile cost less than 25/sft	Sft	3066.31
20	35 mm thick door shutter of Austin Greenpanel Century or equivalent	Sft	940.80
21	5" x 3" section of Sal wood door frame Malaysian or equivalent	Cft	112.11
22	M.S. angles for door fixing	Kg	860.60
23	Steel butt hinges of Dorset, Godrej or equivalent - 100mm x 75 mm x 3mm of 304 grade	Nos	198.00

24	UPVC sliding window of LG, Kommerling or equivalent with 5 mm Clear Toughened Glass	Sqm	302.68
25	Putty of Birla, Berger make or equivalent of 1.5 mm th	Sqm	3336.65
26	Berger, ICI, Asian or equivalent washable interior paint over 2 coat interior primer	Sqm	1875.71
27	Weatherproof Exterior paint of Berger, Asian or equivalent of 1 coat + 2 coats	Sqm	1343.36
27	Extra over above item 27 for extra coat of solid colour	Sqm	283.84
28	Interior cost as per layout plan of restaurant, reception, kitchen, rooms with king size bed with mattress of 8" with 2 side platform, finished with veneer and matt polish with a back head board padding head rest and paint related with Darjeeling theme and tea theme or some unique headboard material as per choice of Interior designer, false ceiling finished with wooden beams and New Zealand pine wood, at central part in sloping of flat manner, Sitting area and Big window area false ceiling to be finished with stone and wood over wooden beam, cupboard with shelves and partition finished in veneer and polish of the size 6 x 4'6" to 5' in height with internal partition as per choice of Interior designer and basin counter finished with a open cabinet type of height 24" max, incl all cladding of 4" max and finishing the same with veneer and polish, balcony railing, balcony sitout, curtains with shears and main curtain with black out system in pleated form, rugs and carpetstoilets will have gypsum and POP of 10 mm thick false ceiling of variable level with wooden rafters, drop ceiling, tray area, facade of glass, cabinet, reception table, artifacts and backdrop decoratives, finished with veneer and matt polish, laminated wooden floor and tile combination, wall paper, texture as reqd, sofa set and chairs and side tables as reqd, restaurant with variable false ceiling depth a run table with granite top for breakfast counter, buffet counter, or can change in idea on a later date as per designers choice, dining table with chairs, sofa, artifacts, exterior furniture as per layout with variable floor level and CI railing and finish in a bit gothic style with paris beads as reqd and colourful enough with old style of flooring and wooden lamiated floor mixed in the way necessary for a better look with external open area having vitrified tiled usage of planters as reqd in artifact part and a stair connected with a stair made of boulders. Lights as per theme necessary. Toilet one is given which can be added as per requirement on a later date. Usage of New Zealand pine wood or equivalent, at central part in sloping of flat manner, UPVC window area, stone and wood, cupboard with shelves and partition finished in veneer and polish of the needed for restaurant, cladding with paris finish, carpets as required by Interior dsigner and as necessary - waterproof ply of Sumi, Austin, Green or equivalent and veneer of the cost of 300/sft, having 0.8 mm laminates inside parts of Green, Century, Durian equivalent or option with Russina Birch ply and wood, handles, locks, all tools, tackles, mirror of 5 mm thcikModi Float or Saint Gobain or equivalent, glass for door, main door finish with veneer from both sides including all accessories etc all inclusive.	L.S.	1

29	Wooden skirting of 4"height and 12 mm thick of shegun wood with groove design	Rft	321.16
30	Roma Crabtree, Thames or equivalent switch and sockets, HavellsFinolex Anchor or equivalent cables and wires, Havells of equivalent DB, MCCB, Lights and fans all of branded make	L.S.	1
31	Jaquar Kohler Colstone or equivalent Sanitary Ware & Fixtures and Astral Supreme Ashirwaad or equivalent pipes for Sanitary Plumbing works	L.S.	1
32	Landscaping incl hardscape with black stone or jaisalmer stone or equivalent for the pathway and coping and softscape with Selection 1 and Mexican grass inclpaspalam and shrubs of varying height and flowering trees like agelia, camelia, orchids, succulents of varying types, creepers like themberjiamysorensis, bogunbelia, clamentis, bottle brush, old spice, sesiumetc and fruit trees bearing fruits like peach, guava, plum, cherry, orange, mandarin, custrad apple, melon etc and many incl ground lily, dressina, helikonia, brumelias in flowering over a span area of approx of min 2.35 acres having grass coverage area of 28910 sft making all necessary drainage and external line cabling works including panels, earth pits, boulder masonry works, earth protection, good earth layer for plants and grass, sand to spread grass, cabanas, MS strcutures for stair way and walkways, trellis of varying levels with MS pipe	L.S.	1
33	Project Managemnt Cost for the entire period of Project		
34	6 months post handover operation and running excl Kitchen Grocery & Electricity	MNT	15
35	Kitchen equipments - Exhaust, Hood, Freezer of Cell frost or equivalent, Burner & ovens , Work tables of Bestekloza or equivalent of min SS 304 grade, SS racks, Crockerries and utensils of Arian or equivalent	L.S.	1
36	Laundry of Automatic Washing Machine, Drier and Steam Iron of Bosch or equivalent and Linens of Wellspun or equivalent and Toiletries of Biotech or equivalent	L.S.	1
37	Water Treatment plant for RO of Ion Exchange or equivalent with all pumps and motors	L.S.	1
38	Procuring and laying Imported Wooden Laminted flooring of 7.8 mm thick over a foam layer which will be placed over basic ceramic floor tiles incl all material, tools, tackles, labouretc	Sft	3066.31

Civil works incl excavation and back filling with excavated soil or sand and carting of excess soil with a substructure standing on Soling PCC of M15 grade using Star, Ultratech or Ambuja or equivalent cement and Sail or Tata or equivalent Fe500 grade for the substructure and superstructure along with anti-termite treatment and waterproofing as necessary incl screeding of avg 25 mm thick, Shuttering, Concreting of M25 grade as required and finishing the external walls with 250 mm brickwork in CM 1:6 and Internal Brickwork in CM 1:4 finishing the wall with Berger or Birla or equivalent Putty of 1.5 mm thick after fixing Door frame of Sal of 5" X 3" section of Malaysian Sal or equivalent and UPVC Sliding and fixed windows of LG, Kommerling or equivalent and finishing the floors with vitrified tiles of Kajaria or RAK or Imported having basic tile cost as 150/sft for floor and 80/sft as average for wall tiles, and wooden laminated flooring over a basic tile floor having a cost not more than 25/sft incl granite counters and sill of Back, Tan Brown, Jaisalmer of galaxy texture. painting the walls with Berger, ICI or Asian internal washable paint over 2 coats of Interior primer of same brand and finishing the exterior with Waterproof paint of Asian or Berger with one coat of primer and 2 coats of exterior waterproof paint. Electricals to have Roma Crabtree, Thames or equivalent switches and sockets, Havells Finolex Anchor or equivalent cables and wires, Havells of equivalent DB, MCCB, Lights and fans all of branded make and plumbing to have the following including geyser of Jaquar Kohler Colstone or equivalent Sanitary Ware & Fixtures and Astral Supreme Ashirwaad or equivalent pipes for Sanitary Plumbing works. Cottages are of 495 sft build up as shown in drawing whose roof projection with Tata Bluescope or equivalent will be 750 mm min along around over truss member as per drawing that includes restaurant, kitchen Store and reception including all retention of soil by retaining walls as necessary due to varying gradients. Septic tank of 11.5 mtrs x 4.25 mtrs x 2.44 mtrs size with the slab used for car park and a water tank of 5 mtrs x 5 mtrs x 1.22 mtrs to be done

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions.](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---