

OFFICE OF MUNICIPAL CORPORATION KORBA

NIT No: 413/2026

Notice Inviting Tender

Korba Dated.21.07.2026

Commissioner, Municipal Corporation Korba invites online Tenders on behalf of Municipal Corporation Korba on Form "A" (Percentage rate) & Form "B" (Item rate) From Eligible Class registered contractors who have completed work of Road in "unified Registration system e-Registration" PWD Chhattisgarh on Govt. of C.G. e-Procurement System (<http://eproc.cgstate.gov.in>)

1	System Tender No.	195916 (1st Call)
2	Name of Work/Description of Work	CONSTRUCTION OF SYNTHETIC TRACK AT P.G COLLEGE,KORBA MUNICIPAL CORPORATION ,KORBA (C.G.)
3	Probable Amount of contract	Rs. 1431.97 Lakh
4	Earnest Money Deposit	Rs. 5,00,000/-Lakh (In shape of FDR/TDR favor of Commissioner, Municipal Corporation, Korba)
5	Cost of Tender form fees	Rs.10,000/- (In shape of Demand Draft favor of Commissioner, Municipal Corporation, Korba)
6	Eligible class of contractor / firm	Class- "A"
7	Time allowed for Completion	12 Months (Including rainy season)
8	SOR Applicable	CGPWD ROAD SOR DT 10.06.2026 CGPWD BUILDING SOR DT 10.06.2026 CGPWD ELCTRICAL SOR DT 10.06.2026 CGPHE USOR DT 01.06.2020 & AMMENDMENT 2022-23.
9	Financial Capacity (as per clause 3.8.1)	Rs.286.37 Lakh

- 1- In order to participate in the tenders floated using the e-Procurement System, all contractors/bidders are required to get enrolled on the e-Procurement portal <http://eproc.cgstate.gov.in>.
- 2- The bids submitted online should be signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. The registered contractors may obtain information required to issuance of Digital Certificate from e-Procurement system M Junction Raipur.
- 3- For submitting the bids online, the contractors/bidders are required to make online payment using the electronic payments gateway service Bid Hash Submission Fee as mentioned above the different modes of electronic payments accepted on the e-Procurement System is available and can be viewed online on the e-Procurement Website (<http://eproc.cgstate.gov.in>).
- 4- Tender Download, Submit Bid Hash online, Submission of Bids and other Documents and other activities will be governed by the time schedules given under – key Dates. Also, Bidder has to submit all the mandatory/required documents, if the mandatory/required documents not submitted by bidder then bid will be disqualified without any further clarification & Joint Venture /Consortium is not allowed.
- 5- The Bidders has to submit (Upload Scan Copies/fill) his offer/credentials online as required in the tender in the online templates in relevant envelopes.
- 6- The Bidders may refer Help Manual available online to perform their online activities.
- 7- The COMMISSIONER,MUNICIPAL CORPORATION KORBA reserves the right to reject any part of/whole tender without assigning any reason and to restrict the list of pre-qualified tenderer to any number deemed fit by it.



8- Before the deadline for submission of tender the COMMISSIONER MUNICIPAL CORPORATION KORBA may modify the tender document by issuing amendment. (Any amendment thus issued shall be part of the tender and shall be published on web site)

9- Tenderers are required to submit all documents/information with the technical tender as required in the NIT or elsewhere in the Tender Document, otherwise it shall lead to rejection of bids.

The bidders are required to submit 'Envelope "A & B" physically and online as per dates Indicated in Key Dates. The Physical Envelope should contain the following: -

a) **Envelop 'A' (Key Submission - Submit physically & online)-** All the required document submission are mandatory for opening of Technical Bid.

i. The **Earnest Money Deposit (EMD) in the form of FDR/TDR of a Nationalised /Scheduled bank of India** in favour of the "**Commissioner, Municipal Corporation, Korba**" payable at 'Korba' which will be returned to the unsuccessful Bidders after the award of contract. The Earnest Money of the successful Bidders will be retained as part of the Security Deposit.

ii. **Tender Document Fee** (Demand Draft in favour of Commissioner, Municipal Corporation, Korba (C.G.)

iii. **Affidavit in Original. (Non Judicial stamp in 100 Rs.)** (as per Enclosed Annexure-13 in Tender Documents)

iv. **Annexure H" For Pre- Contract Integrity Pact (in Non Judicial stamp in 100 Rs.)**

b) **Envelop- 'B'(Technical Bid - Submit physically & online) -** Also the Envelop B shall be submitted physically & online also. In all cases the submission which is online shall prevail.

i. The bidder mandatorily submit all relevant documents that demonstrate their eligibility and qualification as per the criteria outlined in the section of Qualification Criteria of bid document. Incomplete or missing documents will result in automatic disqualification during the technical evaluation stage.

ii. Attested copy of Valid Registration Certificates. CG PWD and (Partnership Deed, registration amendment certificate as the case may be)

iii. Attested copy of PAN card issued by I.T. Department.

iv. Attested copy of Valid GST/ CGST Registration must be valid up to Bid due date as per key dates otherwise tender will be disqualified while opening.

v. Valid Bank Solvency certificate in Bank Letter Head. (Not older than 06 Months) Mention the Bank Dispatch No. or Ref. No. or Verifiable unique number or Date otherwise tender will be disqualified while opening) The bank solvency shall be submitted by the contractor 15% on the cost put to tender.

vi. Power of Attorney/Letter of authorization to sign the bid. (as per annexure 9)

vii. Partnership deed /MOA of company.

viii. Technical & Financial prequalification documents

ix. Bid Capacity

x. ITR of last five years (up to 31-03-25) 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026.

xi. The bidder should have a turn over last five year (i.e. 2021-22 to 2025-26). The turn over certificate from C.A. With UDIN number shall be attached.

xii. As per Pre-Qualification Criteria mentioned in PQ document. (Annexure- 1 to 14)

xiii. The bidder must submit separate duly notarized Affidavits as per Annexure-13 (General Affidavit) in Rs. 100/- Non-Judicial stamp paper and the same mandatorily attached along with the bid documents.

xiv. All the term and conditions outlined in CGPWD, Raipur Order No.-F21-5/t/19/2012/nivida(part) dated 29.09.2025 is considered as a part of bid.

xv. The Bidder Shall be Submitted ESIC & EPF. Including Last 3 Months Of Receipt Challan copy must be submitted.

c) **Envelop- "C" - (Financial Bid - Submit only Online)**

If the bidder quotes his rates in physical submissions than it will lead to disqualification during evaluation of the bid.

d) **Physical Submission** - The sealed envelope (A & B) covered in another Envelop should be sent by registered A.D. or speed post in this office (Commissioner, Municipal Corporation, Korba (C.G.) Address of Saket Bhawan ITI Rampur Chowk Korba (C.G.) up to dated 19/08/2026, 15.00 hrs. (Please mention the Name of Work, N.I.T. No. in Physical Envelop)

- 10- Required documents of qualified tenderer shall be opened online on the prescribed date and time as per Notice Inviting Tender. After verification of proper and other required documents financial offers of such qualified bidders shall be opened online by the COMMISSIONER, MUNICIPAL CORPORATION KORBA (C.G.) in the presence of the tenderer (s)/ representative who choose to attend at that time.
- 11- Additional performance shall be deposited by the successful bidder at the time of signing of agreement when the bid amount is seriously unbalanced. i.e. less than the estimated cost by more than 10% in such an event the successful bidder will deposit the additional performance security to the extent of differential cost of bid amount and 90% of the estimated cost in shape of Bank guarantee of Nationalized Bank in favor of COMMISSIONER MUNICIPAL CORPORATION KORBA (C.G.) in Additional to EMD failing which the tender in this favor shall be liable for Rejection.
- 12- It is mandatory for bidder to submit all mandatory/required documents in online in website <http://eproc.cgstate.gov.in>. Any documents which are not submitted in online but submitted physically will not be accepted.
- 13- Bidder has to submit all the mandatory/required documents, if the mandatory/required documents not submitted by bidder then bid will be disqualified without any further clarification.
- 14- The Technical Document of the contractors have to be Notarized Seal and Signed (originally) before submitting the bids online.
- 15- If any document as required is not received as per the desired form, then the Bidder will be disqualified without any further clarification and his financial bid will not be opened.
- 16- Other Details can be seen in the tender documents.
- 17- The bidder must submit a duly notarized affidavit (as per Annexure 13) providing details of any ongoing litigation or arbitration proceedings. This includes any dispute the bidder is currently involved in, either as a claimant or respondent. The affidavit should clearly state the nature of the litigation, the parties involved, and the current status of each case. Failure to disclose accurate and complete information will lead to disqualification the bid.
- 18- The contractor shall not be discontinues the execution of work only due to delay in payment of running bill etc.
- 19- The provision of Clause 11 regarding price escalation shall not be applicable under this contract. No escalation or increase in the contract price will be paid for any reason, including fluctuations in material costs, labor wages, or any other inputs, during the entire duration of the project.

- 20- In case of any discrepancy, ambiguity or dispute related to the interpretation of the term and condition of the tender documents, the decision of the Commissioner, Municipal Corporation Korba, shall be final and binding on all parties involved.
- 21- After the issuance of the work order, the successful bidder must mandatorily comply with the all applicable rules and regulations of relevant government departments, including but not limited to those related to mining labor laws, income tax, Good and Service tax (GST), other statutory obligations. The bidder will be solely responsible for adhering to these regulations throughout duration of the project.
- 22- After the award of the work order, the successful bidder must obtain approval for all the project-related drawings and designs from the National Institute of Technology (NIT) / Indian Institute Of Technology (IIT) before commencing any work. All the charges borne by the contractor. No work shall begin until the designs and drawings have been thoroughly reviewed and formally approved.
- 23- As per Clause 7.17 Work Program and Methodology upon issuance of the work order, the successful bidder must submit a detailed work program and construction methodology, ensuring the project is executed within the specified timeframe. This submission must include a timeline of key activities, resource allocation and a cash flow projection for the duration of the project. The program must be approved by the competent authority before work commences.
- 24- During the execution of project any dispute between the construction agency (successful bidder) and the Municipal Corporation Korba shall be resolved in accordance with the provisions outlined in the tender documents. The decision of the Commissioner Municipal Corporation Korba, shall be final and binding on the both parties.
- 25- The total bid amount will be calculated by adding the evaluated rates for SOR items and non-SOR items together. The bidder with the lowest total bid amount will be declared the successful bidder.
- 26- The bidder must prepare the index of all the bid documents submitted along with the bid with page number of each document arranged accordingly.

SPECIAL CONDITION-

- 27- In the event of withdrawing his/her offer before the expiry of the period of validity of offer or failing to execute the agreement as required by conditions of the notice inviting tender (N.I.T.) he/she will not be entitled to tender for this work in case of recall of tenders. In addition to forfeiture of his/her earnest money as per provisions of tender condition as may be applicable for the work, the Commissioner, Korba Municipal Corporation will restrict the contractor/firm for a period of one year in participation of all KMC tenders. If the tenderer has committed a similar default after restriction period on earlier occasion(s) as well, then Commissioner, Korba Municipal Corporation recommended for demotion in registration to the committee of 'Unified Registration System' (e-Registration) with Chhattisgarh P.W.D. State Governments will be permanently. This special condition will supersede any thing contrary to it in the tender document.
- 28- "Additional performance shall be deposited by the successful bidder at the time of signing of agreement when the bid amount is seriously unbalanced. i.e. less than the estimated cost by more than 10% in such an event the successful bidder will deposit the additional performance security to



the extent of differential cost of bid amount and 90% of the estimated cost in shape of Bank Guaranty issued by scheduled Bank for agreement period in favour of Commissioner Municipal Corporation in Additional To Performance security failing which the tender in this favour shall be liable for Rejection.” The same shall be released along with the normal Security Deposit.

- 29- Contractors are advised to go through the Notice Inviting tenders & the tender/P.Q./Bid Capacity document thoroughly Certificates, annexure, enclosures as mentioned in the document will have to be submitted by the tenders strictly in the prescribed format, at the time of submission of Technical bid, failing which the contractor shall disqualify for the work & his financial offer shall not be opened and no representation, appeal or objection, what so ever in this regard shall be entertained by the department.
- 30- i. **Performance Security:** Performance Security of 5% shall be deducted from the each running bill.
- 31- ii. **Refund of Performance Security:** - Performance security shall be refunded after 60 months of completion of work as certified by Engineer-in-Charge.
- 32- All the term and conditions outlined in CGPWD, Raipur Order No.- No. 65011/777-A/SOR/2026 Nava Raipur Dated: 10.06.2026 is considered as a part of bid. .” If more than one bidder has quoted same lowest rate (L-1) then the bidder with the highest bid capacity shall be considered for acceptance.”
- 33- As per Circular No. GENCOR-35/306/2026-UAD dated 21.05.2026 issued by the Urban Administration & Development Department, Government of Chhattisgarh, the BOQ/PAC has been prepared excluding GST. Accordingly, bidders shall quote their rates excluding GST only. Applicable GST shall be paid separately by the Municipal Corporation, Korba, subject to submission of a valid GST Tax Invoice and compliance with the provisions of the GST Act, Rules and Government instructions in force. Statutory deductions, including GST-TDS, Income Tax, Royalty towards minor minerals, and all other applicable taxes, levies and deductions as per the prevailing laws and Government instructions, shall be made from the contractor’s bills, wherever applicable


21/7/26
Sup. Commissioner
COMMISSIONER
MUNICIPAL CORPORATION
KORBA (C.G.)
Korba (C.G.)

SYSTEM TENDER No. 195916 (1st Call)

NIT No. 413/2026

Korba Dated 21.07.2026

Key Dates

Task	Date	Time
Bid Start Date	21.07.2026	17:31
Bid Due Date	14.08.2026	17:30
Physical Doc Submission End Date	19.08.2026	15:00
Bid Open Date (Scheduled)	19.08.2026	17:00


21/7/26
Commissioner
Superintendent Engineer
Municipal Corporation
Korba (C.G.)

SCHEDULE OF RATE

Probable Amount Of Contract

**CONSTRUCTION OF 8 LANE SYNTHETIC TRACK AT PG COLLEGE,
KORBA MUNICIPAL CORPORATION ,KORBA (C.G.)****(A) SOR % Percent Rate**

ABSTRACT			
S.No.	Schedule of Items. (S.O.R. Item)	Amount	Remark
1	CG BUILDING SOR 2026	₹ 3,19,12,469.82	QUOTE COMBINE SOR % RATE ABOVE/BELOW
2	CG PWD ROAD SOR 2026	₹ 2,24,10,311.20	
3	CG PWD ELECTRICAL SOR 2026	₹ 73,19,349.15	
4	CG PHED SOR 2020 & AMMENDMENTS 2023-24	₹ 1,86,944.75	
	TOTAL "A" PAC VALUE	₹ 6,18,29,074.92	
TO SAY RS (IN LACS):-		618.29 LAC	

(B) NON-SOR Rate

ABSTRACT			
Schedule of Items.			
S.No.	Non-S.O.R. Item	Amount	Remark
1	CONSTRUCTION OF SYNTHETIC ATHLETIC TRACK (1 to 2)	₹ 6,85,17,700.00	QUOTE EACH ITEM WISE RATE
2	FOOTALL GROUND DEVELOPMENT I/C SPRINKLER SYSTEM (item no.- 3)	₹ 25,04,277.00	
3	TENNIS COURT (item no.-4)	₹ 36,64,958.00	
4	PAVALION WITH TENSILE SHED (item no-5)	₹ 66,81,600.00	
	TOTAL NON-SOR PAC RS. :-	₹ 8,13,68,535.00	
TO SAY Rs (IN LACS) :-		813.68 LAC	

NET TOTAL PAC Rs. (A)+(B)=	(61829074.92) + (81368535.00)
	₹ 14,31,97,609.92
NET TOTAL PAC SAY Rs. (A)+(B)=	1431.97 LAC

PROPOSED CONSTRUCTION OF SYNTHETIC ATHLETIC TRACK 8-LANE AT KORBA (C.G.)						
BOQ OF SYNTHETICK ATHLETIC TRACK						
S. No.	Item No.	Description	Unit	Qty.	Rate	Amount
1	2	3	4	6	5	7.00
		BUILDING SOR 10.06.2026				
1	1.1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all Type of Soil.	cum.	4583.30		
2	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	Sqm	4960.40		
3	1.6.1	Extra for every additional lift of 1.5 m or part there of. All types of soil	cum.	946.16		
4	1.22	Supplying chlorpyrifos/ Lindane emulsifiable concentrate of 20% in sealed containers including delivery as specified.	Ltr	865.10		
5	1.25.1	Diluting chemical emulsion (chlorpyrifos/ lindane) in water as per manufacturers recommendation and injecting for pre-constructional curative cum preventive anti-termite treatment: (Five year service guarantee bond to be signed by contractor) Surface treatment by spreading emulsion under floor, over the plinth area before laying base concrete @ 5 litres / sqm	sqm	3244.80		
6	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	Cum	282.94		
7	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum.	3005.24		
8	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	Cum	5400.00		
9	1.26.1	Carriage by mechanical transport upto 5 km lead: Earth	cum.	2820.00		
10	1.27.1	Extra for mechanical transport for every one km or part thereof beyond first 5 km lead. Earth	Cum. Km	2820.00		
11	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 40 mm nominal size).	cum.	673.24		
12	3.1.4	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	Cum	77.04		
13	3.1.5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	21.23		
14	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	508.86		

15	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size)	cum	2.96		
16	3.3.1	Providing and laying Design mix reinforced cement concrete with crushed graded stone aggregate 20 mm nominal size using batching plant,transit mixer and concrete pump,in all works upto plinth level excluding cost of form work. M-20 grade	cum	2.11		
17	3.3.2	Providing and laying Design mix reinforced cement concrete with crushed graded stone aggregate 20 mm nominal size using batching plant,transit mixer and concrete pump,in all works upto plinth level excluding cost of form work. M-25 grade	cum	1648.36		
18	3.4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: For Ground Floor	cum	319.84		
19	3.12.1	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415	Kg	25986.00		
20	3.12.2	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 500D	Kg	231716.28		
21	3.12.3	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 500D	Kg	210.94		
22	3.9	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.	cum	59.56		
23	2.1.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, Foundations, footings, base of columns, plinth beam,Curtain Wall in any shape and size and all type of wall below plinth level	sqm.	1535.06		
24	2.1.2	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Wall of any thickness including attached pilasters, buttresses etc. in super structure.	sqm	3613.60		
25	2.1.5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, columns,Pillars, piers and likes-rectangulay or square in shape in size.	sqm.	519.12		
26	2.1.14	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, Spiral/Folded plate type stair cases including risers and landing	sqm.	295.20		
27	2.1.8	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, Beams ,Lintels, Cantilevers & walls	Sqm.	1718.40		

28	2.1.7	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm.	3689.80		
29	3.9	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.	cum	0.08		
30	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork.	cum.	21.48		
31	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	sqm.	429.60		
32	3.16	Making 50mm thick plinth protection of plain cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded crushed stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with sand including finishing the top smooth.	sqm.	571.20		
33	4.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom, kitchen etc., by applying cement slurry mixed with water proofing cement compound consisting of following applications including surface preparation: i) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. ii) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	sqm	25.60		
34	7.2.2	Brick work with modular well burnt clay bricks of crushing strength not less than 25 kg/sqcm and water absorption not more than 20% in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	Cum	20.83		
35	7.5.4	Brick work with modular FLY ASH lime bricks (Falg brick) confirming to ISI 12894:2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)	cum.	431.17		
36	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in additional to rate for foundation and plinth: For Ground Floor	cum.	266.29		
37	9.3.2	Steel work in tubular (round, square or rectangular hollow tubes etc.)structure in built-up sections, trusses and frame work including cutting, consisting of columns trusses, roof and bottom purlins, base plate, holding hoisting, fixing in position upto a height of 5m above plinth level,down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. Electric resistance or induction butt welded tubes Grade-300	kg	13338.00		
38	9.16.2	Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	Kg	489.60		

39	9.19	Providing and fixing in position door shutter made of square/ rectangular hollow steel tube of approved size joint mitred, welded frame with two Nos. intermediate rails, 200mm wide lock rail made of 1.6mm thick M.S. sheet welded to intermediate rail, M.S. grill of approved pattern made of M.S. flat or square or round bars welded to frames and provided M.S. butt hinges, all necessary fitting and finished by filling putty including applying a priming coat of red oxide zinc chromate primer all complete. (To be used	kg	576.00		
40	9.57.1	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 304	kg	480.80		
41	9.43.1	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete. Aperture 50x50mm	Sqm	2470.00		
42	11.1.2	Providing and making 6mm thick cement plaster of mix : In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	780.00		
43	11.2.4	Providing and making 12mm thick cement plaster of mix: in cement mortar 1:6 (1 cement : 6 fine sand)	sqm.	1245.20		
44	11.3.4	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm.	565.92		
45	11.5	Neat Cement punning	sqm	18.00		
46	11.8	Providing and making 18mm thick cement plaster in two coats with under layer of 12mm thick plaster 1:5 (1 cement : 5 fine sand) and top layer of 6mm thick with cement plaster 1:3 (1 cement : 3 fine sand) finished rough with sponge	Sqm	208.32		
47	11.41	Providing and fixing chicken mesh weighting not less than 250 gms/ sqm as per IS : specification in the required width with 40mm long steel nails on vertical and horizontal surface near R.C.C. and brick walls junctions including scaffolding and all lead and lifts etc. complete before plastering upto 10mts in height.	sqm	104.88		
48	11.37.1	Providing and making pointing on brick work with cement Mortar 1:3 (1 cement : 3 fine sand) Flush pointing	sqm	141.48		
49	11.40	Making grove in cement plaster while plastering upto 10 mm deep and 10 mm wide.	rmt.	3222.00		
50	12.3.2	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 50 mm thick	sqm	2.25		
51	12.10	Applying cement slurry on R.C.C. slab or cement concrete work using 2.75 kg/ sqm for receiving cement concrete floor including roughening cleaning etc complete	sqm	3244.80		
52	12.65.2	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	Sqm	2982.00		

53	14.56	Providing and applying 2mm thick <u>White cement based polymeric exterior grade putty</u> with minimum 3 coats applied @ 5.4kg/10sqm <u>as per relevent IS Code 1755:2021</u> (Product such as like Birla wall care, Asian trucare, J.K. wall putty, Berger bison wall putty) to make the surface smooth and even with all tool tackles and labour etc. complete for the work.	sqm	2573.12		
54	14.60	Providing and applying of Acrylic primer on all surface applied @0.80 litres/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo , J.K. Primer, Dulux AcrylicPrimer) with all tools tackles and labour etc. complete for the work.	Sqm	2573.12		
55	14.64	Providing and applying <u>Premium plastic emulsion</u> paint with roller application minimum 3 coats applied @ 1.75 ltr / 10sqm upto final finish as per relevent IS code 15489:2013 Type - 1 Class D & C (Glossy and Semi Glossy Finish) of required shade (Product such as Asian Apcolite Premium, Duluxe super cover, Berger easy clean, Nippon Breezee Metex Gold, Opus I-50 / Calista) inclusive of Providing abro tape on edge and article and cleaning of door, window, floor and surface as required with all tool tackles and labour etc. complete for the work. (with 3 year warranty.)	sqm.	2007.20		
56	14.71	Providing and applying satin / matte finish enamel paint minimum two coats in our surface applying @ 0.75 L per 10 square metre up to required finish as per relevant IS code 2932:2013 of (product such as Asian satin, enable deluxe promise, premium enable Nele synthetic enable opus prime animal) Inclusive of providing AbRaw, Tape on edge, edges and article and cleaning of door windows, floor and surface as required with all tools, tackle, and Labour, etc.complete for the work	sqm.	666.90		
57	19.5.3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases and making good the walls etc., 25 mm nominal outer dia .Pipes.	Mtr	1712.00		
58	19.16.3	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 40 mm nominal bore	Each	15.00		
59	20.13.1	Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) : With 20x20 mm square bar	each	6.00		
60	20.27	Providing and constructing brick masonry road gully chamber 110x50x77.5 cm with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm precast R.C.C. horizontal grating with frame and	Each	10.00		
61	22.1	Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	sqm	450.00		
62	22.2	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment)	cum	1305.00		

63	22.3	Supplying and stacking sludge at site including royalty, loading, unloading and carriage upto 5 km (sludge measured in stacks will be reduced by 8% for payment).	cum	56.25		
64	22.4	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment).	cum	1136.25		
65	22.5	Rough dressing the trenched ground including breaking clods.	sqm	450.00		
66	22.6	Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of unrooted vegetation.	sqm	450.00		
67	22.7	Fine dressing the ground	sqm	450.00		
68	22.8	Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/and good earth to be paid separately).	cum	3577.50		
69	22.9	Mixing earth and sludge or manure in proportion specified or directed.	cum	3577.50		
70	22.24	Flooding the ground with water including making kiaries and dismantling the same.		450.00		
71	22.25.1	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Hedges like Alife, Dorenta, Tikoma etc	each	300.00		
72	22.25.2	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Furn like Arica, China etc (3 year old)	each	220.00		
73	22.25.3	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Hibiscus (Flower)/ Rose	each	180.00		
74	22.25.4	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: Carpet grass (well developed) @ 75 % of Total Area	sqm	9337.50		
75	22.13	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	cum	135.00		
		AS PER ROAD SOR 10.06.2026				
1	2.1 (i)	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all leads & lifts and filling in depression/pit with suitable soil including compaction in layers at OMC as directed by Engineer-in-charge and as per relevant clauses of section-200 for :- Girth from 300 mm to 600 mm	Each	10.00		
2	2.1 (ii)	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all leads & lifts and filling in depression/pit with suitable soil including compaction in layers at OMC as directed by Engineer-in-charge and as per relevant clauses of section-200 for :- Girth beyond 600 mm to 900 mm	Each	12.00		

3	2.1 (iii)	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all leads & lifts and filling in depression/pit with suitable soil including compaction in layers at OMC as directed by Engineer-in-charge and as per relevant clauses of section-200 for :- Girth beyond 900 mm to 1800 mm	Each	6.00		
4	2.1 (iv)	Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable material with all leads & lifts and filling in depression/pit with suitable soil including compaction in layers at OMC as directed by Engineer-in-charge and as per relevant clauses of section-200 for :- Girth above 1800 mm	Each	5.00		
5	3.2	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all leads & lifts as per relevant clauses of section 300.	Cum	7774.20		
6	3.25 (i)	Excavation for drain chamber (Earth work in excavation for drain/chamber as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.)	Cum	835.20		
7	3.25 (ii)	Construction of RCC drain/chamber/cover, placing in position, providing shuttering and concreting by using concrete mixer, compaction by vibration etc complete as per drawings and technical specifications excluding reinforcement. with RCC M-20	Cum	350.46		
8	3.25 (iii)	Supplying, Fitting and Placing un-coated HYSD bar Reinforcement in drain/cover/chamber complete as per Drawing and Technical Specifications .	Mt	27.75		
9	3.12	Construction of embankment with Material Obtained from Borrow Pits/Borrow Area (Construction of embankment with approved material/selected soil having C.B.R.>5 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	Cum	30952.70		
10	3.13	Construction of sub-grade with Material Obtained from Borrow Pits/Borrow Area (Construction of sub-grade with approved material/selected soil having C.B.R.>8 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	cum	504.00		
11	4.1 A (a) (i)	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 Plant mix method (with Mechanically crushed stone only) For Lower Sub-base with Grading-III Material	Cum	2565.20		
12	4.1 A (b) (i)	Granular Sub-base as per Table:- 400-1 Construction of granular sub-base by providing graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 Plant mix method (with Mechanically crushed stone only) For Lower Sub-base with Grading-V Material	cum	315.00		

13	4.10	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406.	Cum	2187.20		
14	4.18	Providing and fixing kerb stones 100 mm thick and 600 mm wide chisel dressed cut stones fixed in CC 1:3:6 (block size 250 x 225 mm) including all excavation.	Rm	165.55		
15	5.1 (i)	Prime coat Providing and applying primer coat with bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular base including clearing of road surface and spraying primer using mechanical means as per clause 502. <i>on WBM/WMM surface @0.85 Kg/cum</i>	Sqm	8850.00		
16	5.4 A (i)	Dense Graded Bituminous Macadam Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects. With sensor paver finisher for Grading I (37.5 mm nominal size aggregate, bitumen content 4.0%)	Cum	442.50		
17	5.2 (i)	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503. <i>Bituminous surface @ 0.25 kg /Sqm</i>	Sqm	17700.00		
18	5.5 A I	Bituminous Concrete Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects. With sensor paver finisher for Grading I (19 mm nominal size aggregate) with bitumen 5.5 %	Cum	265.50		
19	6.1	Dry Lean Cement Concrete Sub-base as per IRC:SP-49 (Construction of dry lean cement concrete Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing as per clause 601.)	cum	315.00		

20	6.2 A (ii)	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement as per Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement as per IRC:58 over a prepared sub-base, coarse and fine aggregate conforming to IS:383 and graded as per table 600-3 mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing as per clause 602.) Using Slip Form Paver With Cement concrete grade M-30 and minimum cement content @ 375 kg/cum.	cum	420.00		
21	8.44 (i)	Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia., across the road (new construction) , extending from drain to drain in cuts and toe of slopes to toe of slopes in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipes as per IRC: 98 2011, bedded on a 0.3 m thick layer of granular material free of rock pieces , outer to outer distance of pipes at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts , joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC:98-2011 and approved drawings. Single row for one utility service 300mm dia	Mtr	52.00		
22	8.2	Cast in Situ Cement Concrete M20 Kerb with Channel (Construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in M20 grade PCC on M10 grade foundation 150 mm thick, kerb channel 300 mm wide, 50 mm thick in PCC M20 grade, sloped towards the kerb, kerb stone with channel laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409)	rmt	420.00		
23	9.4 B	Providing and laying Reinforced Cement Concrete pipe NP 3 / prestressed concrete pipe. (Laying Reinforced cement concrete pipe NP3 /prestressed concrete pipe for culverts including fixing collar with cement mortar 1:2 but excluding bedding below pipes, excavation, protection works, backfilling, concrete and masonry works in head walls and parapets .) 600 mm dia	Mtr.	30.00		
24	12.6	Providing and planting of 3'0" to 4'0" heighted wasingtonia, filipheria/bismarkia novelist plam plants with 1'6" x 1'6" depth pit formation and soil preparation, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance.	nos	100.00		
25	12.7	Providing and planting of 4'0" to 5'0" heighted Ficus prestige/Blackiana plants with 1'6" x 1'6" depth pit formation and soil preparation, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance.	nos	100.00		
		AS PER PHED SOR ITEM'S 01.06.2020				
1	28.1 (amendment no-09/2023-2024)	Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot with three soundings for drilling of tube well within the selected Habitation, including photography interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs	Point	1.00		

2	29.3 (amendment no-09/2023-2024) (a)	Drilling of perfectly vertical bore hole of a diameter suitable to receive 200 mm nominal diameter casing pipe upto desired depth below ground level inclusive of the labour charges for transporting, lowering and fixing of 150 mm nominal diameter M.S./ G.I. / U.P.V.C. casing pipe inside the bore hole including all works pertaining to drilling such as transportation, installation and removal of drilling machine etc.complete. In all type of collapsible strata consisting of soils, clays, sand , moorum, gravel, boulders etc. sand , moorum, gravel, blouders etc	meter	35.00		
3	29.4 (amendment no-09/2023-2024)	Drilling of perfectly vertical bore hole of 150mm diameter upto desired depth below ground level ino all type of rock including all works pertaining to drilling such as transportation ,installation and removal of drilling machine etc. complete	meter	80.00		
4	29.9 (amendment no-09/2023-2024)	providing and fixing of well cap on top of the tube well for protection . (c) 150mm dia	each	1.00		
5	30.7 (amendment no-09/2023-2024)	Construction of concrete block over dry tube wells for protection of size 0.45m x 0.45m x0.45m in M-15 cement concrete mix complete work	Each	1.00		
6	3 cgphed sor 2020 Annexure-I	ISI Mark 32 mm dia. G.I. riser pipe in 3 meter length socketed on one end as per I.S. 1239 (Part I) 1990 up-to- date amendments and socket as per I.S. 2062/1990 up-to-date amendment, Part-C, General Note: 27.28.10 50mm	meter	75.00		
7	6 cgphed sor 2020 Annexure-I	ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per I.S.: 1239 (Part-2) 1992 with IV th revision (Up-todate amendments), Part-C, General Note: 27.28.10 150mm dia.	Meter	36.00		
8	34.20.107 (amendment no-09/2023-2024)	Supplying and laying of submersible flat cable ISImarked 3 core copper wire of suitable size with proper clamping of approved make. (i) 4 Sq.mm.multi strand	Per Mt	70.00		
9	6.4 cgphed sor 2020	Providing and fixing following confirming to IS 778/1984 (Reaffirmed 2005) Class-II gate (full way) valves tested to 300lbs/Sq inch or 21.00 kg/sq.cm. 50mm dia (Flanged)	each	1.00		
10	34.20.106 cgphed sor 2020 (iv)	Supplying & Installation of Energy efficient five star BEE rating ISI Marked required capacity single phase, 50 Hz, 220V, deep well submersible pump Stainless Steel body, suitable for 4"/6" tube well with Contral Panel Starter suitable for Submersible pump with dry run protection, connections, including clamps, bore cap etc. as required as per specifications but excluding pipe,SS/Nylon 5 H.P. with 10to11stages,HeadMt.101-40 Discharge LPM 60-270wire rope and connection cable.	each	1.00		
11	32.4 (amendment no-09/2023-2024)	Disinfection of tube well using bleaching powder solution as per the direction of the Engineer in Charge including the cost of bleaching powder and labour etc. complete.	each	1.00		

12	24.18.4 cgphed sor 2020 (i)	Labour only for lowering of three phase submersible pumping set in the tube well with pipe line assembly, electrical cable, testing etc. complete including connecting the electrical cable from pump & starter. 3 HP to 7.5 HP - Depth up to 150 mtr.	1 job	1.00		
13	32.5 (amendment no-09/2023-2024)	Yield test of tube well continuously for one hour with Compressor.(This Item is valid only for one hour test).	Hour	1.00		
14	6.8 cgphed sor 2020	Providing and fixing following check (non-return) valves Class II, confirming to IS:778/1984 (Reaffirmed 2005) female ends, tested to 21.09 kg/sq.cmt. 50mm dia (screwed)	each	1.00		
		AS PER ELECTRICAL SOR 10.06.2026				
1	5.8.3	Providing and fixing following size FRLS PVC insulated, PVC sheathed, flexible copper conductor wire on the floor/ wall, or side of the table/ door etc. as per specification. 1.0 sq. mm three core	Metre	800.00		
2	6.28.8	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ~ 120 lumens /watt. 90 watt	each	320.00		
3	7.19.1	Fabrication, supply, installation, testing and commissioning of cubical type compartmentalized wall/floor mounted power cum control panel board of specified size and following depth made out of not less than 2mm thick CRCA MS sheet with suitable size compartments for bus bars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per specification Upto 300 mm deep	sqm	20.00		
4	7.21.1	Supply, installation, testing and commissioning of 4pole (3 phase + neutral) copper(electric grade) bus bars in existing cubical type ompartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification. 100 amp (20x3mm)	Metre	20.00		
5	9.1.24	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu. 4 pole MCCB, 32-100A, Adjustable Thermal - Magnetic Release, 25KA	Each	10.00		
6	9.11.2	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification. 6 amps to 32 amps	Each	80.00		
7	10.15.2	Providing and fixing following rating current transformer in existing cubical panel including, connections, testing and commissioning etc. as per specification. 100/5 amps	Each	10.00		
8	10.17	Providing and fixing penal mounting 230 volt LED type indicating lamp in existing cubical panel including, connections, testing and commissioning etc. as per specification	Each	10.00		
9	10.22.3	Providing and fixing following Time switch (timer) in existing panel including connection, testing and commissioning as per specification. Astronomical type with year programmed	Each	5.00		

10	10.23	Providing and fixing panel mounting digital type VAF (Volt-amp-frequency combined) Multi Function meter of size 100x100 (NS) in existing cubical panel including connection, testing and commissioning etc. as per specification	Each	5.00		
11	12.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	Set	12.00		
12	12.12	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including soldering, excavation and refilling the trench etc. as per specification	Metre	980.00		
13	12.13	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 metre below ground Metre 94.00 as strip earth electrode, including soldering, excavation and refilling the trench etc. as per specification	Metre	180.00		
14	12.19.2	Providing maintenance free earthing with following size GI pipe including making bore pit of minimum 150mm dia, providing and laying approved make Earthing Electrode of Pipe-in-Pipe technology as per IS 3043(R 2016) -1987 made of corrosion free G.I. Pipes having outer pipe of 80mm dia and inner pipe of 50mm dia and filling with specified qty highly conductive compound around pipe and above that with soft soil in bore pit complete and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. as per specification: With 2 metre long GI Pipes and 25 kg back filling compound.	Each	80.00		
15	12.16	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as per specification.	Metre	400.00		
16	14.1.1	Supplying and laying ISI marked double wall HDPE pipe (IS 14930 Part II) having corrugation on the outer wall and plan surface on inner wall in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as per specification. 63 mm outer dia and 50 mm Inner dia	Metre	800.00		
17	15.1.24	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 25 sq. mm.	Metre	1440.00		
18	15.1.23	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 4 x 16 sq. mm. (10% extra for termination to the light pole)	Metre	2880.00		
19	19.17.1	Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts bolts complete as per specification. 250x200x125 mm for single phase	Each	72.00		
20	15.3.22	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as per specification, IS: 1554 (1988, Part 1) & IS: 7098 (1988, Part 1) 4 x 10 sq. mm.	Metre	800.00		

21	15.3.23	Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as per specification, IS: 1554 (1988, Part 1) & IS: 7098 (1988, Part 1) 4 x 16 sq. mm.	Metre	800.00		
22	15.23.23	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. . 4 X 10 sq. mm (22 mm)	Each	400.00		
23	15.23.24	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. . 4 X 16 sq. mm (22 mm)	Each	472.00		
24	15.23.25	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of 1.1 KV grade as per specification. 4 X 25 sq. mm (25 mm)	Each	72.00		
25	15.28.1	Supplying, fixing and cramping suitable size and all type aluminium ferule/ lugs to following size 1.1 KV grade power cable core / lead, pressed with high pressure cramping tool including connection to switch gear/ MCCB etc as required. 6 sq. mm (9 nos. each light pole)	Each	108.00		
26	19.20	Supplying erection testing and commissioning of hot dipped galvanised (single dip 86 micron) 20 metre High mast pole on existing RCC foundation with all accessories and equipments, detailed as below to withstand wind pressure upto 180km/hr and minimum following specifications: a) HM shaft made of not more than 2 sections of suitable lengths with telescopic stressfit joints between sections without any circumpherential welding, sheet thickness 4mm top and bottom sections, nominal dia 460mm on bottom and 150 mm on top, base plate 30mm thick 670mm dia, PCD of foundation bolts 650mm. b) Double drum winch for lowering & raising of lantern carriage on high mast with operatable with power tool/ manual handle attachment with a torque limiting device for safe locking of carriage.c) Raising/lowering type lantern carriage designed to carry specified nos of luminaries, control gear box, junction box.d) Top pulley assemble with	nos	12.00		
27	19.12	Designing and providing suitable RCC foundation in Cement Concrete 1 :2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) for 3 mere to 12 metre high GI octagonal pole including steel reinforcement form work, embedding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification	CUM	128.00		
28	19.7.3	Supply of hot dipped galvanized (in single dip to minimum 75 micron) octogonal pole made of 3mm thick steel grade E-350 sheet having window and flush cover with locking arrangement at suitable height from base for cable termination block, pole suitably reinforced with welded steel section at window cut section to make the strength of pole unaffected, with following minimum specifications with 4 way terminal connector including 3mm thick anchor plate, 4 nos 20mm dia foundation bolts of EN8 grade, and as per IS 2062 & BS EN: 10025. (designed for wind speed upto 180km/hr, IS: 875 Part 3) 8 metre high, dia 135mm at bottom and 90mm at top, base plate size 225x225x16mm, foundation bolts 750mm long	Each	80.00		

29	19.9.3	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as per specification. Single Over Hang 1.50 metre Long	Each	80.00		
30	19.11.6	Erection of GI octogonal/ tubular/conical pole on existing cement concrete foundation having grouted bolts and nuts, aligning in true vertical position as per specification. 8 metre high	Each	80.00		
31	19.13	Providing and making suitable CC pole collar (muffing) in Cement Concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) of size 0.4 m dia and 0.4 m height from existing CC foundation.	Each	80.00		
32	32.3.3	Providing following size ISi marked FR PVC insulated , PVC sheathed, 3 core submersible copper conductor wire and IS : 694 (2010). 4.0 sq. mm	Metre	1440.00		
TOTAL - A Rs. :-						0.00
TO SAY Rs (IN LACS) :-						0.00

SOR USED:-

- 1 CG BUILDING SOR 2026
- 2 CG PWD ROAD SOR 2026
- 3 CG PWD ELECTRICAL SOR 2026
- 4 CG PHED SOR 2020 & AMMENDMENTS 2023-24

PROPOSED CONSTRUCTION OF SYNTHETIC ATHLETIC TRACK 8-LANE AT KORBA (C.G.)						
BOQ OF SYNTHETICK ATHLETIC TRACK						
NON SOR ITEMS						
S. No.	Item No.	Description	Unit	Qty.	Rate	Amount
1	2	3	4	6	5	7
		NON SOR ITEM'S				
1	Non-SOR Quotation Attached	Providing and laying of WA (formerlyIAAF) approved Full PUR SyntheticAthletic track surface of minimum 15mmthickness in the normal stress areasincluding markings as per the specification/ requirement laid down by WA and as perthe direction of the Engineer-in-charge.The track needs to be WA Class II certified.The product should beEuropean/American/Australian originonly. No Chinese or Indian make will beconsidered. The track should be installedin supervision of a Technician of themanufacturer who have experience in suchinstallation in India or any other country inthe world for at least 1 Class II certifiedtrack with the same product.	Sqm	8062.00		
2	Non-SOR Quotation Attached	Providing & Fixing IAAF approved Field Equipment material for conducting various events as per World Athletics approved events. All track and field equipment will be as per the technical requirement for use in International Athletic Competitions.				
	a	Aluminium Kerbing made of heavy gauge aluminium with a box profile top and 10mm tall ribbed feet to keep it fixed in place. World Athletics Approved				
			Set	1.00		
	b	Pole Vault box with cover – The pole vault box is welded stainless steel construction with blanking board made of aluminium. The pole vault box will have sockets for drainage of water. World Athletics Approved.				
		Rate Recommended from .	Nos	2.00		
	c	Take-off Board for long and triple jump – The take-off board is made of wood with welded aluminium tray to protect the take-off area and facilitates for easy replacement of take-off board and plasticine board. It will be with a heavy duty aluminium blanking lid. World Athletics Approved.				
		Rate Recommended from .	Nos	7.00		
	d	Shotput ring – Shotput ring made of heavy duty aluminium and can be folded in 2 parts. World Athletics Approved				
		Rate Recommended from .	Nos	2.00		
	e	Hammer cage cum Discuss cage – Hammer cum discuss cage is made of heavy duty 100mm square steel tube hot dipped galvanized. The poles can be detached from centre for easy movement. World Athletics Approved				
		Rate Recommended from .	Nos	1.00		
	f	Discuss ring – Discuss ring made of heavy duty aluminium and can be folded in to 2 parts. World Athletics Approved				
		Rate Recommended from .	Nos	1.00		
	g	Hammer cage with sockets – The hammer cage is made of heavy duty 100mm square steel tube hot dipped galvanized with 2m door with wheels. The net is machine knitted and UV stabilized. World Athletics Approved				
		Rate Recommended from .	Nos	1.00		
	h	Discuss cage with sockets – The discuss cage is made of heavy duty 92mm square steel tubes hot dipped galvanized and can be detached from centre for easy movement. The vertical poles are connected with tie bars for sturdiness. The net is 5mm thick machine knitted and UV stabilized. World Athletics Approved.				
		Rate Recommended from .	Nos	1.00		
	i	Steeple Chase Barrier – The barrier is made of heavy duty 100mm x 100mm steel tube and coated with EPDM. The base legs have spring loaded snap-locks for easy height adjustment (3 heights). World Athletics Approved.				
		Rate Recommended from .	Nos	1.00		
3	NON SOR	SUPPLYING, TRANSPORTATION, INSTALLATION OF SPRINKLER SYSTEM	1 SET	1.00		

4	Non-SOR Quotation Attached	Full PUR(POLYURETHANE RUBBER) Synthetic Athletic track surface of minimum 15mm thickness in multilayer application of Approved Color, including markings as per the specification / requirement laid down by WA and as per the direction of the Engineer-in-charge. The track needs to be WA Class II certified. The product should be European/American/Australian origin only. The track should be installed in supervision of a Technician of the manufacturer who have experience in such installation in India or any other country in the world for at least 1 Class II certified track with the same product.	Sqm	506.00		
5	MARKET RATE	Design, supply, fabrication, erection and installations of outdoor type canopy made out of tensile membrane fabric mounted over MS structure as under:				
		(a) The M.S. structure shall be a suitably designed structure consisting of M.S. pipes, M.S. builtup sections with all necessary plate connectors, pinion joints etc. including all transportation, cutting, threading, machining, leads and lifts upto all heights, tools, plants, scaffolding etc all complete to complete the structure of the tensile membrane canopy/shade/pavation, as per the architectural concept drawings/designs including all arch beams, curved lateral beams, bracings, columns, nodal joints, column bases and black phosphate coated high tensile bolts (grade not less than 10.9) etc. all complete, including hot dip galvanizing, one coat of epoxy primer and two coats of polyurethane paint on all steel work at all locations by sand blasting in a minimum 310DFT for each coat, all complete as directed and approved by the Engineer-in-charge.	-			
		(b) The tensile membrane fabric shall be Type II-902s2 or equivalent, minimum 900gsm with PVDF coating on both sides including fifteen year manufacture or equivalent warranty and shall meet following performance characteristics: Membrane shall be Preconstraint PVDF/ PVDF coated with following Characteristics. Yarn: High Tenacity Polyester Yarn PES HT 1100 Dtex Total weight of the fabric: 750 g/m ² Width: minimum 250 cm Tensile Strength Warp/ Weft: 280/ 280 daN/ 5cm 320/ 320 Lbs Tear Strength Warp/ Weft: 30/ 28 daN 85/ 80 Lbs. Flame Retardancy: Bs2d0 Surface treatment: PVDF /PVDF Total Thickness: 0.60 mm Light transmission: 6.5% Quality Management: ISO 9001 Environmental Management ISO 14021 Warranty: 7 years Coating thickness at top of yarn 240 micron Item is inclusive of all necessary cutting, welding, cables, plates and necessary hardware for fixing the fabric canopy on the M.S. structure, all as per architectural concept drawings. The tensile membrane fabric shall be cut and welded etc. in the required shape using a high frequency PVC welding machine. Quality shall confirm to ISO 9001 and ISO 14021.				
		(c) Item is inclusive of detailed engineering designs and erection of all necessary foundations etc. all complete for erecting the canopy structure all as directed and approved by the engineer in-charge.				
		[Actual installed area of fabric to be measured for payment]	SQM	600.00		
TOTAL NON-SOR RS. :-						-
TO SAY Rs (IN LACS) :-						0.00

