OFFICE OF MUNICIPAL CORPORATION KORBA

Notice Inviting Tender

NIT No: 438 /2026

Korba Dated 05.11.2026

Commissioner, Municipal Corporation Korba invites online Tenders on behalf of Municipal Corporation Korba on Form "A" (Percentage rate) (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.**	**203550 (1st Call)**
2	**Name of Work/Description of Work**	**Widening and Upgradation of Existing BT Road from Kosabadi Chowk to Rishdi Chowk in Korba (C.G.)**
3	**Probable Amount of contract**	Rs. 1830.02 Lakh
4	**Earnest Money Deposit**	Rs. 5.00/- Lakh (In shape of FDR/TDR favor of Commissioner, Municipal Corporation, Korba)
5	**Cost of Tender form fees**	Rs. 5000/- (In shape of Demand Draft favor of Commissioner, Municipal Corporation, Korba)
6	**Eligible class of contractor / firm**	Class- "A"
7	**Time allowed for Completion**	24 Months (Including rainy season)
8	**SOR Applicable**	CGPWD ROAD SOR DT 15.06.2026 CGPWD BUILDING SOR DT 10.06.2026 CGPWD E&M SOR DT 15.06.2026 CGPHE USOR DT 01.06.2020 AMEN 07/2022-23
9	**Financial Capacity (as per clause 3.8.1)**	Rs.274.50.00 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" (physically) & "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. 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 tchnical 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 (if required).

viii. Technical & Financial prequalification documents

ix. Bid Capacity with affidavit as per attached annexure – 15 (attested) Scan Copy & Orignal Both.

x. ITR of last five years (up to 31-03-26) 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 submits 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 Shell be Submitted ESIC & EPF. Including Last 3 Months Of Reciept 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 **04/12/2026, 15.00**. (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 regardings 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 discrepency, 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 throughtout 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) before commencing any work. All the charges borne by the contractor. No work shall begin untill the designs and drawings have been throughly 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 with drawing 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 Muncipal 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 Muncipal 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.

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SYSTEM TENDER No. 203550 (1st Call)

NIT No. 438/2026

Korba Dated 15/11/2026

Key Dates

Task	Date	Time
Bid Start Date	**15-11-2026**	**17:31**
Pre Bid Meeting	**25-11-2026**	**11.30**
Bid Due Date	**30-11-2026**	**17:30**
Physical Doc Submission End Date	**04-12-2026**	**15:00**
Bid Open Date (Scheduled)	**04-12-2026**	**17:00**

Superintending Engineer
Municipal Corporation,
KORBA (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION KORBA

BILL OF QTY

NAME OF WORK - Widening and Upgradation of Existing BT Road from Kosabadi Chowk to Rishdi Chowk in Korba (C.G.)

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
		CGPWD 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.	CUM	157.00	1524.74	239383.75
2	1.6.1	Extra for every additional lift of 1.5M or part there of 1.6.1 All types of soil	CUM	23.00	3.38	77.63
3	1.26.1	Carriage by mechanical transport upto 5 km lead: 1.26.1 Earth	CUM	94.00	382.23	35929.34
4	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering with a lead upto 50M. And lift upto 1.5M. 1.17	CUM	55.00	1142.51	62838.06
5	1.18	Providing and filling in plinth with sand /crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete. 1.18	CUM	315.00	183.08	57669.10
6	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	CUM	2525.00	98.85	249600.04
7	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work. 3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	CUM	3539.00	1497.33	5299054.41
8	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	CUM	83.00	67.16	5574.11
9	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 all complete: 3.12.1)Thermo-Mechanically treated bars FE 415	KG	46.00	85767.60	3945309.60
10	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 all complete: Thermo-Mechanically treated bars FE 500D	KG	46.00	413.10	19002.60
11	2.1.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size. 2.1.1	SQM	118.00	10233.91	1207601.38
12	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape 2.1.5	SQM	252.00	1119.30	282063.60

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
13	7.5.4	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand) 7.5.4	CUM	2774.00	567.34	1573790.06
14	7.6	Extra for brick work in superstructure Above plinth level for every floor or part thereof in addition to rate for foundation and plinth: 7.6	CUM	103.00	567.08	58409.65
15	11.3.4	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. In Cement Mortar 1:6 (1 cement : 6 fine sand) 11.3.4	SQM	91.00	6118.56	556788.96
16	9.57.2	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	446.00	418.50	186651.00
17	4.14	4.14 Providing & laying precast interlocking concrete blocks of minimum compressive strength of 300 kg/sq.cm and approved size , shape/ pattern over coarse sand bed of thickness upto 40 mm and joints thick filled with fine sand including leveling with surface vibrator, temping and sweeping etc. complete as per IRC-SP-63-2004 C) 80mm thick Polymer coated coloured precast interlock concrete blocks	SQ.M	740.00	58.50	43290.00
18	14.65	14.57 Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty, Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work. (This Item to be use in heigher grade painting works	SQ.M	81.00	6090.00	493290.00
19	14.60	14.60 Providing and applying of Acrylic primer on all surface applied @ 0.80 litrs/10 sqm as per relevant I.S. code 15489:1974 (Product such as Asian Spark/suprimo, J.K. Primer, Dulux Acrylic Primer) with all tools tackles and labour etc. complete for the work.	SQ.M	31.00	28.56	885.36
20	14.68	14.68 Providing and applying on exterior surface with PREMIUM Exterior emulsion paint of required shade to give protective and water proof finish minimum 3 coats applied @1.40 lit/10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D, C (Glossy /Semi Glossy finish) (Product such as Asian Apex ,Dulux Weather Shield Prima E900, Berger Weathercoat Antidust, Nerolac Everlas Excel, Nippon Sumo Etra, Opus True flex) inclusive of providing abro tape on edges and articleand cleaning of door, windows, floor and surface as required with all tools tackles and labour etc. complete for the work. (With 3 Year	SQ.M	71.00	10476.00	743796.00
21	14.69	14.69 Providing and applying exterior surface with PREMIUM HEAVY DUTY Glossy or Matt Finish Exterior Emulsion paint of required shade to give protective and water proof finish minimum three coats applied @ 1.43 lit/10Sqm up to final finish as per relevant I.S. Code 15489:2013 Type -2 Class D, C, B & A (Glossy / matt / Egg Shell finish)having high DFT and silicon aditive for elastomaric property (Product such as Asian Ultima ,Dulux Weathershield Maxx, Berger Weathercoat All Guard Nerolac Excel Total, Nippon Durafresh Expert, Opus Tru Look) inclusive of providing abro tape on edges and article and cleaning of door, windows, floor	SQ.M	94.00	14.28	1342.32

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
22	14.57	14.57 Providing and applying 2mm thick white cement based Acrylic grade putty with minimum 3 coats applied @4.0 kg/ 10Sqm as per relevant IS code 17545:2021 (Product such as Asian trucare, Berger Happy walls Putty, Birla Opus One pro smooth) to make the surface smooth and even with all tools tackles and labour etc. complete for the work. (This Item to be use in heigher grade painting works Item No. 14.65)	SQ.M	81	4414.56	357579.36
23	9.3.2	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding 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. 9.3.2 Electric resistance or induction butt welded tubes Grade-300	KG	79.00	72223.50	5705656.50
24	9.50.1	Providing and fixing 12mm thick pre-laminated particle board flat pressed with decorative lamination and balancing lamination on specified sides exterior Grade – I MDF Board 12 mm thick confirming to IS:14587, including fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete. 9.50.1 With decorative lamination on one side and balancing lamination on other side.	SQM	718.00	23.00	16514.00
25	10.12	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	SQM	589.00	58.50	34456.50
26	14.71	14.71Providing and applying satin/matt finish Enamel paint mimimum 2 coats in all surface applying @ 0.75 lit/ 10 Sqm up to required finish as per relevent I.S. code 2932: 2013 of (Product such as Asian satin Enamel, Dulux Promise Premium Enamel, Nerolac Synthatic Enamel, Opus Prime enamel) inclusive of providing abro tape on 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	113.00	7134.60	806209.80
27	16.3	16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. 16.3.3 In cement mortar	CUM	224.00	252.00	56448.00
28	16.42	16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	CUM	653.00	86.40	56419.20

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
29	**16.43**	16.43 Demolishing cement concrete including disposal of material within 50 metre lead. 16.43.1 1:4:8 or leaner mix	CUM	280.00	120.00	33600.00
30	**1.26.3**	Carriage by mechanical transport upto 5 km lead: 1.26.3 Dismantled Building debris (Mulba)	CUM	78.00	458.40	35755.20
31	**22.2**	Suppling and stacking of good earth at site including royalty,loading,unloading and carriage upto 10km(earth measured in stacks will be reduced by 20% for payment)	CUM	171.00	1184.22	202501.62
32	**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	201.00	263.16	52895.16
33	**22.8**	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	15.00	263.16	3947.40
34	**22.9**	22.9 Mixing earth and sludge or manure in proportion specified or directed	CUM	9.40	263.16	2473.70
35	**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	EACH	755.00	200.00	151000.00
36	**12.8**	Providing and planting of Bogenbelia dwarf, chandni dwarf, kaner dwarf vr flower bearing plants with 0'9" x 0'9" depth pit formation and soil preparation work's, (Mixing organic manure and plant's protection insecticide). Up to 4 month maintenance.	EACH	71.00	200.00	14200.00
		CGPWD ROAD SOR 15.06.2026			0.00	0.00
37	**2.6 A**	Dismantling of flexible pavements and disposal of dismantled materials including all leads, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200. Bituminous courses	Cum	734.00	1360.80	998827.20
38	**2.6 B**	Dismantling of flexible pavements and disposal of dismantled materials including all leads, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200. Granular courses	Cum	513.00	1360.80	698090.40
39	**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	276.00	135.00	37260.00
40	**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	424.00	115.00	48760.00
41	**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	750.00	95.00	71250.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
42	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	1440.00	45.00	64800.00
43	2.4 A	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of tres cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned including all leads and lifts removal and disposal of top organic soil not exceeding 150 mm in thickness if required and as per relevant clauses of section-200. In area of light jungle (average)	Hact.	52065.00	2.18	113435.06
44	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	88.00	9252.00	814176.00
45	1.2 ii)	Transportation of different other material i/c loading & unloading Beyond 1 Kms. and upto 10 Kms.(Add extra for every 1 Km.)	Cum	94.50	2268.00	214326.00
46	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/borrow area with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2.	cum	202.00	7558.00	1526716.00
47	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	228.00	12019.86	2740528.08
48	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.	1337.00	5133.60	6863623.20
49	4.6	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.	1365.00	6304.50	8605642.50

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
50	**5.1**	Prime coat (Providing and applying primer coat with oil based 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.	Sqm	65.00	26478.90	1721128.50
51	**5.5 A ii**	Dense Bituminous Macadam (Providing and laying dense graded bituminous macadam with 100-120 TPH capacity Batch type HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5 per cent by weight of total 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 II (26.5 mm nominal size bitumen content 4.50%)	Cum.	7379.00	5000.94	36901936.26
52	**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. On Bituminous Surface 0.25kg/sqm	sqm	13.00	47628.00	619164.00
53	**5.2 ii**	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. Granular surfaces treated with primes @ 0.30 kg /Sqm	sqm	15.00	26478.90	397183.50
54	**5.7 A iii**	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-II(13.2 mm nominal maximum size aggregate) with bitumen content 6.0 %	Cum.	8399.00	1905.12	16001102.88
55	**5.13.B.1**	Seal Coat (Providing and laying seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall including rolling and finishing using Type A and B seal coats as per clause 511) Providing and laying of premix sand seal coat with minimum 40-60 TPH HMP of appropriate capacity using crushed stone chipping (passing through 2.36mm size sieve) and with bitumen as binder.	sqm	39.00	47628.00	1857492.00
56	**4.12**	Granular Shoulders (Construction of granular shoulder as per clause 408 at top 150mm of earthen shoulder shall be well graded mix of at least 30% of granular sub-base material of grading-I[I as per clause 401 and moorum/gravel or soil and combination having soaked CBR value of not less than 30%. The granular layer shall be compacted to at least 98% of mix dry density of material as determined as per IS:2720 (Part-B))	cum	419.00	2721.60	1140350.40

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
57	**8.22**	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Providing and laying of hot applied thermoplastic compound as per MoRTH Grade 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.	Sqm	533.00	1673.60	892026.14
58	**9.8**	9.8 Plain cement concrete complete as per drawing and Technical Specifications (i) PCC Grade M 15	CUM	3243.00	738.56	2395133.87
59	**4.14**	4.14 Providing & laying precast interlocking concrete blocks of minimum compressive strength of 300 kg/sq.cm and approved size , shape/ pattern over coarse sand bed of thickness upto 40 mm and joints thick filled with fine sand including leveling with surface vibrator, temping and sweeping etc. complete as per IRC-SP-63-2004 B) 80mm thick Plain precast interlock concrete block	SQ.M	625.00	1200.00	750000.00
60	**8.4**	Retro- reflectrorized Traffic signs (Providing and fixing of retroreflectrorized cautionary, mandatory and informatory sign as per IRC:67-2012 made of retro-reflective type sheeting vide clause 801.3, fixed over aluminum sheeting of required thickness supported on a mild steel back frame of ISA 40 x 40 x 5 mm and mild steel angle iron post 75 mm x75 mm x 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45cm x 60cm, 60 cm below ground level as per approved drawing and painting all components of the signs and supports as per clause 7.2 of IRC:67-2012) A Made of Class-C Micro Prismatic Grade Sheeting of Type XI B) Made of Class-B High Intensity Micro Prismatic Grade Sheeting of Type IV confirming to Table 6.6 of IRC:672022 (for MDR) b) With Aluminum Sheeting of 1.5 mm	Each	2,508.00	50.00	125400.00
61	**8.4**	Retro- reflectrorized Traffic signs (Providing and fixing of retroreflectrorized cautionary, mandatory and informatory sign as per IRC:67-2012 made of retro-reflective type sheeting vide clause 801.3, fixed over aluminum sheeting of required thickness supported on a mild steel back frame of ISA 40 x 40 x 5 mm and mild steel angle iron post 75 mm x75 mm x 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45cm x 60cm, 60 cm below ground level as per approved drawing and painting all components of the signs and supports as per clause 7.2 of IRC:67-2012) A Made of Class-C Micro Prismatic Grade Sheeting of Type XI B) Made of Class-B High Intensity Micro Prismatic Grade Sheeting of Type IV confirming to Table 6.6 of IRC:672022 (for MDR) b) With Aluminum Sheeting of 1.5 mm	Each	3,223.00	50.00	161150.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
62	8.4	Retro- reflectrorized Traffic signs (Providing and fixing of retroreflectrorized cautionary, mandatory and informatory sign as per IRC:67-2012 made of retro-reflective type sheeting vide clause 801.3, fixed over aluminum sheeting of required thickness supported on a mild steel back frame of ISA 40 x 40 x 5 mm and mild steel angle iron post 75 mm x75 mm x 6mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45cm x 60cm, 60 cm below ground level as per approved drawing and painting all components of the signs and supports as per clause 7.2 of IRC:67-2012) A Made of Class-C Micro Prismatic Grade Sheeting of Type XI B) Made of Class-B High Intensity Micro Prismatic Grade Sheeting of Type IV confirming to Table 6.6 of IRC:672022 (for MDR) b) With Aluminum Sheeting of 1.5 mm	Each	3,624.00	50.00	181200.00
63	8.15	Overhead Sign Board for Ram Van Gaman Marg Providing and erecting Overhead Sign Board on two faces as per detailed architectural drawings and structural drawings with 2 mm thick corrosion-resistant aluminum alloy sheet reflectorized sign board with high-intensity retro-reflective sheeting of Class-C Micro Prismatic Grade Sheeting of Type IX, with writing and direction marking, Digital printing of images wherever required with back frame of the sign board of ISA 40x40x5mm, including providing and fixing of Aluminium Composite Material ornamental jali pasted with high-intensity retro-reflective sheeting of Class-C Micro Prismatic Grade Sheeting of Type IX/Cast Iron Jali machine finished and painted with premium quality synthetic enamel paint, including the cost of sign boards and their back frames installed as per clause 802.6 over a designed support system of aluminum alloy or galvanized steel trestles and trusses of sections	Each	#####	1.00	1092992.00
64	3.19 i	Construction of RCC open drain (a) Construction of RCC open drain with width 1.0m or 0.8 m (inside dimension) and average depth from inlet to outlet 1.0m or 0.8m (maintaing slope as per site conditions) with 150 mm thick RCC M-25 walls, 150 mm thick RCC M-25 bottom slab, over 100 mm thick (Av.) levelling course in PCC M-15 including excavation, dressing of sides and bottom, providing HYSD reinforcement consisting of 10mm dia horizontal bars @ 150 mm c/c and U-shaped 10 mm dia bars @ 150 mm c/c including cutting,bending and binding wires, placing in position, providing shuttering and concreting by using cocrete mixer , compaction by vibration etc complete as per drawings and technical specifications	RMT	5239.00	5898.00	30899622.00
65	3.27 i	Excavation for drain (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	201.00	1425.00	286425.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
66	**3.27 ii**	Construction of RCC drain/cover slab/chamber (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	4015.00	1285.44	5161041.60
67	**3.27 iii**	Construction of RCC drain/cover slab/chamber (iii) Supplying, Fitting and Placing un-coated HYSD bar Reinforcement in drain/cover/chamber complete as per Drawing and Technical Specifications.	MT	55619.00	98.04	5452872.74
		CGPED E & M SOR 10.06.2026				
68	**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, embeding 2 nos 50mm dia PVC pipe for cable entry in each foundation, excavation disposal of surplus soil and curing etc. as per specification.	CUM	4436.00	64.80	287452.80
69	**19.8.1**	19.8 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 4mm thick anchor plate, 4 nos 24mm 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) 19.8.1 9 metre high, dia 155mm at bottom and 90mm at top, base plate size 260x260x16mm, foundation bolts 750mm long	EACH	11878.00	200.00	2375600.00
70	**19.9.6**	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. 19.9.6 Double Over Hang 1.00 metre Long	EACH	1283.00	200.00	256600.00
71	**19.11.7**	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. 19.11.7 9 metre high	EACH	837.00	200.00	167400.00
72	**31.11.3**	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as per specification: 31.11.3	EACH	198.00	200.00	39600.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
73	15.1.22	Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground at a depth not less than 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). 15.1.22 4 x 10 sq. mm.	METER	249.00	2000.00	498000.00
74	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 excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). Panel Incoming Wiring 15.1.24 4 x 25 sq. mm	METER	273.00	100.00	27300.00
75	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)	NOS.	83.00	400.00	33200.00
76	32.2.5	Providing following size ISI marked FRLS PVC insulated , PVC sheathed, flexible copper conductor wire. 2.5 sq. mm three core	METER	48.00	1200.00	57600.00
77	16.1.5	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. 16.1.5 180 mm outer dia and 152 mm Inner dia	METER	324.00	3000.00	972000.00
78	7.19.3	Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated 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. Above 450 mm and upto 600 mm deep	sqm	7241.00	8.64	62562.24
79	7.20.4	Supply, installation, testing and commissioning of 4 pole (3 phase + neutral) aluminium bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and shape insulators, necessary bolts and nuts etc complete as per specification. 400 amp (50x6mm)	Metre	1301.00	8.64	11240.64
80	9.1.5	9.1.5 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. 3 pole MCCB, 125A, Adjustable Thermal - Magnetic Release, 25KA Incomer of Lighting Panel	EACH	4879.00	6.00	29274.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
81	**9.16**	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per specification. 6 amps to 32 amps	Each	751.00	60.00	45060.00
82	**10.13.3**	Providing and fixing 3 pole, 415/500 volts following rating (AC-1 Duty) power contactor in existing starter/ cubical panel including, connections, testing and commissioning etc. as per specification. 60 amps	Each	2772.00	12.00	33264.00
83	**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	297.00	6.00	1782.00
84	**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	80.00	24.00	1920.00
85	**10.18.3**	Providing and fixing penal mounting following rating analog type ammeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification. 0-200 amps	Each	389.00	5.00	1945.00
86	**10.20.2**	Providing and fixing penal mounting 0-500 volt voltmeter of size 100x100 (NS) in existing cubical panel including, connections, testing and commissioning etc. as per specification. Digital type	Each	710.00	5.00	3550.00
87	**10.21.1**	Providing and fixing penal mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification. 10.21.1 For voltmeter	Each	161.00	5.00	805.00
88	**10.21.2**	Providing and fixing penal mounting selector switch in existing cubical panel including, connections, testing and commissioning etc. as per specification. 10.21.2 For ammeter	Each	176.00	5.00	880.00
89	**10.22**	Providing and fixing following Time switch (timer) in existing panel including connection, testing and commissioning as per specification. Analoge type	Each	2146.00	5.00	10730.00
90	**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	2757.00	50.00	137850.00
91	**12.13**	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 metre below ground as strip earth electrode, including soldering, excavation and refilling the trench etc. as per specification.	METER	80.00	25.00	2000.00
92	**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.	METER	31.00	250.00	7750.00
93	**6.28.9**	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. 6.28.9 120 watt	NOS	5817.00	400.00	2326800.00
		(CG PHED SOR Amendment 07/2022-23,			0.00	0.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
94	18.15	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed. (CG PHED SOR Amendment 07/2022-23, It.No. 18.15, Pg.No.51)	Cum	201.00	3886.45	781175.45
95	18.19.1	Earth work in excavation for pipe trench in Hard soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed. (CG PHED SOR Amendment 07/2022-23, It.No. 18.19.1, Pg.No.51) Hard Soil	Cum	266.00	2331.87	620276.62
96	18.19.1	Earth work in excavation for pipe trench in all kinds of rocks in areas including dressing, stacking of useful material and disposal of unservicve able material up to lead up to 50m and lift up to 1.5m. (CG PHED SOR Amendment 07/2022-23, It.No. 18.19.1, Pg.No.51) Soft rock with or without blasting or bituminous pavement / cement concrete road	Cum	465.00	1554.58	722878.77
97	18.21	Pumping out water caused by springs, tides or river seepage, broken water mains or drains or well or the like. (CG PHED SOR Amendment 07/2022-23, It.No.18.21, Pg.No.52)	KL	71	1800.00	127800.00
98	4.1	Providing, laying & jointing including testing following socket & spigot centrifugally cast (spun) Ductile iron pressure pipes with inside cement motor lining (class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joint as per IS : 5382/2018. (CG PHED SOR Amendment 07/2022-23, It.No.4.1, Pg.No.02) 450 mm DI K-7	Mtr	6704.00	267.00	1789968.00
99	4.1	Providing, laying & jointing including testing following socket & spigot centrifugally cast (spun) Ductile iron pressure pipes with inside cement motor lining (class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joint as per IS : 5382/2018. (CG PHED SOR Amendment 07/2022-23, It.No.4.1, Pg.No.02) 400 mm DI K-7	Mtr	5642.00	867.00	4891614.00
100	4.1	Providing, laying & jointing including testing following socket & spigot centrifugally cast (spun) Ductile iron pressure pipes with inside cement motor lining (class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joint as per IS : 5382/2018. (CG PHED SOR Amendment 07/2022-23, It.No.4.1, Pg.No.02) 350 mm DI K-7	Mtr	4718.00	435.60	2055160.80
101	4.1	Providing, laying & jointing including testing following socket & spigot centrifugally cast (spun) Ductile iron pressure pipes with inside cement motor lining (class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joint as per IS : 5382/2018. (CG PHED SOR Amendment 07/2022-23, It.No.4.1, Pg.No.02) 200 mm DI K-7	Mtr	2378.00	237.00	563586.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
102	**4.1**	Providing, laying & jointing including testing following socket & spigot centrifugally cast (spun) Ductile iron pressure pipes with inside cement motor lining (class K-7) conforming to IS 8329/2000 with suitable Rubber Gasket (Push on) joint as per IS : 5382/2018. (CG PHED SOR Amendment 07/2022-23, It.No.4.1, Pg.No.02)X 150 mm DI K-7	Mtr	1804.00	378.00	681912.00
103	**18.24**	Supply & Filling moorum/river sand for pipe bedding or over the pipe (including supply) (CG PHED SOR Amendment 07/2022-23, It.No.18.24, Pg.No.52)	Cum	864.00	824.63	712478.71
104	**18.23**	Filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding Watering and ramming. (CG PHED SOR Amendment 07/2022-23, It.No.18.23, Pg.No.52)	Cum	62.00	6740.92	417936.86
105	**4.7**	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.7, Pg.No.04) 450 mm dia.	Each	13044.00	4.00	52176.00
106	**4.7**	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.7, Pg.No.04) 400 mm dia.	Each	10470.00	4.00	41880.00
107	**4.7**	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.7, Pg.No.04) 350 mm dia.	Each	8239.00	6.00	49434.00
108	**4.7**	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.7, Pg.No.04) 200 mm dia.	Each	3007.00	8.00	24056.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
109	**4.7**	Providing and Laying including testing ductile iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.7, Pg.No.04) 150 mm dia.	Each	2005.00	8.00	16040.00
110	**4.9**	Providing and Laying including testing ductile PN 16 type iron flanged spigot conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.9, Pg.No.05) 450 mm dia.	Each	15104.00	4.00	60416.00
111	**4.9**	Providing and Laying including testing ductile PN 16 type iron flanged spigot conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.9, Pg.No.05) 400 mm dia.	Each	12014.00	4.00	48056.00
112	**4.9**	Providing and Laying including testing ductile PN 16 type iron flanged spigot conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.9, Pg.No.05) 350 mm dia.	Each	9611.00	8.00	76888.00
113	**4.9**	Providing and Laying including testing ductile PN 16 type iron flanged spigot conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.9, Pg.No.05) 200 mm dia.	Each	3294.00	8.00	26352.00
114	**4.9**	Providing and Laying including testing ductile PN 16 type iron flanged spigot conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.9, Pg.No.05) 150 mm dia.	Each	2291.00	8.00	18328.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
115	4.11	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.11, Pg.No.06) 450 mm dia.	Each	19791.00	6.00	118746.00
116	4.11	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.11, Pg.No.06) 400 mm dia.	Each	17309.00	8.00	138472.00
117	4.11	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.11, Pg.No.06) 350 mm dia.	Each	14142.00	8.00	113136.00
118	4.11	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.11, Pg.No.06) 200 mm dia.	Each	5035.00	12.00	60420.00
119	4.11	Providing and Laying including testing Ductile iron Mechanical joint collar with follower glands conforming to IS: 9523/2000 having dimension as per table 24 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.11, Pg.No.06) 150 mm dia.	Each	3896.00	15.00	58440.00
120	4.13	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.13, Pg.No.07) 450 mm dia.	Each	24247.00	3.00	72741.00
121	4.13	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.13, Pg.No.07) 400 mm dia.	Each	18639.00	3.00	55917.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
122	4.13	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.13, Pg.No.07) 350 mm dia.	Each	14350.00	4.00	57400.00
123	4.13	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.13, Pg.No.07)200 mm dia.	Each	4154.00	10.00	41540.00
124	4.13	Providing and Laying including testing Ductile Iron Double Socket 90° Bends conforming to IS: 9523/2000 having dimension as per table 15 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.13, Pg.No.07) 150 mm dia.	Each	2595.00	12.00	31140.00
125	4.15	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.15, Pg.No.07) 450 mm dia.	Each	17649.00	3.00	52947.00
126	4.15	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.15, Pg.No.07) 400 mm dia.	Each	13526.00	4.00	54104.00
127	4.15	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.15, Pg.No.07) 350 mm dia.	Each	10722.00	4.00	42888.00
128	4.15	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.15, Pg.No.07) 200 mm dia.	Each	3376.00	10.00	33760.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
129	**4.15**	Providing and Laying including testing Ductile Iron Double Socket 45° Bends conforming to IS: 9523/2000 having dimension as per table 16 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.15, Pg.No.07) 150 mm dia.	Each	2078.00	12.00	24936.00
130	**4.17**	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.17, Pg.No.08) 450 mm dia.	Each	14021.00	4.00	56084.00
131	**4.17**	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.17, Pg.No.08) 400 mm dia.	Each	11051.00	8.00	88408.00
132	**4.17**	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.17, Pg.No.08) 350 mm dia.	Each	8578.00	10.00	85780.00
133	**4.17**	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.17, Pg.No.08) 200 mm dia.	Each	2856.00	12.00	34272.00
134	**4.17**	Providing and Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.17, Pg.No.08) 150 mm dia.	Each	1817.00	15.00	27255.00
135	**4.19**	Providing and Laying including testing Ductile Iron Double Socket 11.25° bends conforming to IS:9523/2000 having dimension as per table 18 of IS:9523/2000 in the following nominal diameter/ sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.19, Pg.No.09) 450 mm dia.	Each	12040.00	4.00	48160.00
136	**4.19**	Providing and Laying including testing Ductile Iron Double Socket 11.25° bends conforming to IS:9523/2000 having dimension as per table 18 of IS:9523/2000 in the following nominal diameter/ sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.19, Pg.No.09) 400 mm dia.	Each	9401.00	8.00	75208.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
137	4.19	Providing and Laying including testing Ductile Iron Double Socket 11.25° bends conforming to IS:9523/2000 having dimension as per table 18 of IS:9523/2000 in the following nominal diameter/ sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.19, Pg.No.09) 350 mm dia.	Each	7587.00	10.00	75870.00
138	4.19	Providing and Laying including testing Ductile Iron Double Socket 11.25° bends conforming to IS:9523/2000 having dimension as per table 18 of IS:9523/2000 in the following nominal diameter/ sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.19, Pg.No.09) 200 mm dia.	Each	2726.00	12.00	32712.00
139	4.19	Providing and Laying including testing Ductile Iron Double Socket 11.25° bends conforming to IS:9523/2000 having dimension as per table 18 of IS:9523/2000 in the following nominal diameter/ sizes with external bitumen coating and internal cement mortar lining. (CG PHED SOR Amendment 07/2022-23, It.No.4.19, Pg.No.09) 150 mm dia.	Each	1687.00	15.00	25305.00
140	4.21	Providing and Laying including testing Ductile Iron All socket Tees conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.21, Pg.No.10) 200 x 200 x 200 T	Each	5193.00	3.00	15579.00
141	4.21	Providing and Laying including testing Ductile Iron All socket Tees conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.21, Pg.No.10) 200 x 200 x 150 T	Each	4532.00	2.00	9064.00
142	4.21	Providing and Laying including testing Ductile Iron All socket Tees conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.21, Pg.No.10) 150 x 150 x 150 T	Each	3116.00	3.00	9348.00
143	4.21	Providing and Laying including testing Ductile Iron All socket Tees conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.21, Pg.No.10) 150 x 150 x 100 T	Each	2726.00	3.00	8178.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
144	**4.25**	Providing and Laying including testing Ductile Iron Double Socket Reducer conforming to IS: 9523/2000 having dimension as per table 21 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.25, Pg.No.13) 350 x 250 R	Each	7775.00	4.00	31100.00
145	**4.25**	Providing and Laying including testing Ductile Iron Double Socket Reducer conforming to IS: 9523/2000 having dimension as per table 21 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.25, Pg.No.13) 350 x 200 R	Each	8082.00	3.00	24246.00
146	**4.25**	Providing and Laying including testing Ductile Iron Double Socket Reducer conforming to IS: 9523/2000 having dimension as per table 21 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.25, Pg.No.13) 250 x 150 R	Each	3505.00	3.00	10515.00
147	**4.25**	Providing and Laying including testing Ductile Iron Double Socket Reducer conforming to IS: 9523/2000 having dimension as per table 21 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.25, Pg.No.13) 200 x 150 R	Each	2474.00	4.00	9896.00
148	**4.41**	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (CG PHED SOR Amendment 07/2022-23, It.No.4.41, Pg.No.18) D.I. Sluice Valve (PN- 16) 450 mm dia.	Each	191693.00	1.00	191693.00
149	**4.41**	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (CG PHED SOR Amendment 07/2022-23, It.No.4.41, Pg.No.18) D.I. Sluice Valve (PN- 16) 400 mm dia.	Each	136247.00	1.00	136247.00
150	**4.41**	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (CG PHED SOR Amendment 07/2022-23, It.No.4.41, Pg.No.18) D.I. Sluice Valve (PN- 16) 350 mm dia.	Each	107902.00	2.00	215804.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
151	4.41	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (CG PHED SOR Amendment 07/2022-23, It.No.4.41, Pg.No.18) D.I. Sluice Valve (PN- 16) 200 mm dia.	Each	27850.00	3.00	83550.00
152	4.41	Providing & fixing of following Ductile iron double flanged sluice valves as per I.S.:14846-2000 fitted with cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (CG PHED SOR Amendment 07/2022-23, It.No.4.41, Pg.No.18) D.I. Sluice Valve (PN- 16) 150 mm dia.	Each	15200.00	4.00	60800.00
153	4.23	Providing and Laying including testing Ductile Iron Double Socket branch flange Tee conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.23, Pg.No.11) 350 x 350 x 350 T	Each	18536.00	3.00	55608.00
154	4.23	Providing and Laying including testing Ductile Iron Double Socket branch flange Tee conforming to IS:9523/2000 having dimension as per table 21 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS:9523/2000. (CG PHED SOR Amendment 07/2022-23, It.No.4.23, Pg.No.11) 250 x 250 x 200 T	Each	7304.00	4.00	29216.00
155	18.41.1.3	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering. (CG PHED SOR Amendment 07/2022-23, It.No.18.41.1.3, Pg.No.54) For Road restoration (M-20)	Cum	6545.00	528.00	3455760.00
156	18.42.1	Providing & laying mechanically mixed R.C.C. excluding centering & shuttering and reinforcement in foundation/plinth (20mm graded metal) (CG PHED SOR Amendment 07/2022-23, It.No.18.42.1, Pg.No.54) For thrust block	Cum	6025.00	31.53	189975.03
157	18.44	Providing and placing in position cold twisted steel and hot rolled deformed steel reinforcement for R.C.C. work i/c cutting, bending, binding etc. complete i/ccost of binding wire and wastage. (CG PHED SOR Amendment 07/2022-23, It.No.18.44, Pg.No.54)	Kg	70.00	3630.00	254100.00
158		Construction of Rcc valve chamber with Rcc precast cvers for valves. (100mm to 600mm dia.)	EACH	85878.44	8.00	687027.56
159	19.4	Labour only for cutting following Ductile Iron pipes of any type and class. (CG PHED SOR Amendment 07/2022-23, It.No.19.4, Pg.No.60) 450 mm dia.	Per Cut	400.00	10.00	4000.00
160	19.4	Labour only for cutting following Ductile Iron pipes of any type and class. (CG PHED SOR Amendment 07/2022-23, It.No.19.4, Pg.No.60) 400 mm dia.	Per Cut	357.00	20.00	7140.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
161	19.4	Labour only for cutting following Ductile Iron pipes of any type and class. (CG PHED SOR Amendment 07/2022-23, It.No.19.4, Pg.No.60) 350 mm dia.	Per Cut	312.00	18.00	5616.00
162	19.4	Labour only for cutting following Ductile Iron pipes of any type and class. (CG PHED SOR Amendment 07/2022-23, It.No.19.4, Pg.No.60) 200 mm dia.	Per Cut	180.00	12.00	2160.00
163	19.4	Labour only for cutting following Ductile Iron pipes of any type and class. (CG PHED SOR Amendment 07/2022-23, It.No.19.4, Pg.No.60) 150 mm dia.	Per Cut	135.00	15.00	2025.00
164	19.6	Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. (CG PHED SOR Amendment 07/2022-23, It.No.19.6, Pg.No.61) 450 mm dia.	Each	2194.00	20.00	43880.00
165	19.6	Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. (CG PHED SOR Amendment 07/2022-23, It.No.19.6, Pg.No.61) 400 mm dia.	Each	2018.00	40.00	80720.00
166	19.6	Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. (CG PHED SOR Amendment 07/2022-23, It.No.19.6, Pg.No.61) 350 mm dia.	Each	1681.00	36.00	60516.00
167	19.6	Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. (CG PHED SOR Amendment 07/2022-23, It.No.19.6, Pg.No.61) 200 mm dia.	Each	1343.00	24.00	32232.00
168	19.6	Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. (CG PHED SOR Amendment 07/2022-23, It.No.19.6, Pg.No.61) Up to 150 mm dia.	Each	1079.00	30.00	32370.00
169		Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes 450mm Dia	Mtr	139.00	623.00	86597.00
170		Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes 400 mm Dia	Mtr	118.00	1323.00	156114.00
171		Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes 350 mm Dia	Mtr	99.00	1017.00	100683.00
172		Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes 200 mm Dia	Mtr	45.00	553.00	24885.00
173		Labour for laying in position including testingfollowing socket & spigot Ductile Iron (K-7)pressure pipes 150 mm Dia	Mtr	29.00	798.00	23142.00
174		Labour for providing including testing, RubberGasket (push on) joints to following D.I. Pipesclass K-7 & K-9 including joints but excludingcost of Rubber Gasket. 450mm Dia	Each	148.00	164.00	24272.00
175		Labour for providing including testing, RubberGasket (push on) joints to following D.I. Pipesclass K-7 & K-9 including joints but excludingcost of Rubber Gasket. 400 mm Dia	Each	134.00	347.00	46498.00
176		Labour for providing including testing, RubberGasket (push on) joints to following D.I. Pipesclass K-7 & K-9 including joints but excludingcost of Rubber Gasket. 350 mm Dia	Each	104.00	266.00	27664.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
177		Labour for providing including testing, RubberGasket (push on) joints to following D.I. Pipesclass K-7 & K-9 including joints but excludingcost of Rubber Gasket. 200 mm Dia	Each	69.00	145.00	10005.00
178		Labour for providing including testing, RubberGasket (push on) joints to following D.I. Pipesclass K-7 & K-9 including joints but excludingcost of Rubber Gasket. 150 mm Dia	Each	66.00	20.00	1320.00
179		Labour only for Laying including testing Ductile Iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. 450mm Dia	Each	163.00	20.00	3260.00
180		Labour only for Laying including testing Ductile Iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. 400 mm Dia	Each	131.00	38.00	4978.00
181		Labour only for Laying including testing Ductile Iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. 350 mm Dia	Each	103.00	30.00	3090.00
182		Labour only for Laying including testing Ductile Iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. 200 mm Dia	Each	45.00	21.00	945.00
183		Labour only for Laying including testing Ductile Iron PN 16 type flanged sockets conforming to IS: 9523/2000 having dimension as per table 23 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining with finishing as per clause 13 of IS: 9523/2000. 150 mm Dia	Each	31.00	25.00	775.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
184		Labour only for Laying including testing Ductile Iron PN 16 type flanged Spigot conforming to IS:9523/2000 having dimension as per table 24 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining with finishing as per clause 13 of IS:9523/2000. 450mm Dia	Each	189.00	22.00	4158.00
185		Labour only for Laying including testing Ductile Iron PN 16 type flanged Spigot conforming to IS:9523/2000 having dimension as per table 24 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining with finishing as per clause 13 of IS:9523/2000. 400 mm Dia	Each	150.00	40.00	6000.00
186		Labour only for Laying including testing Ductile Iron PN 16 type flanged Spigot conforming to IS:9523/2000 having dimension as per table 24 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining with finishing as per clause 13 of IS:9523/2000. 350 mm Dia	Each	120.00	22.00	2640.00
187		Labour only for Laying including testing Ductile Iron PN 16 type flanged Spigot conforming to IS:9523/2000 having dimension as per table 24 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining with finishing as per clause 13 of IS:9523/2000. 200 mm Dia	Each	50.00	23.00	1150.00
188		Labour only for Laying including testing Ductile Iron PN 16 type flanged Spigot conforming to IS:9523/2000 having dimension as per table 24 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining with finishing as per clause 13 of IS:9523/2000. 150 mm Dia	Each	35.00	27.00	945.00
189		Labour only for Laying including testing DuctileIron Mechanical Joint collar with follower glandsconforming to IS: 9523/2000 having dimension asper table 24 of IS: 9523/2000 in the followingnominal diameter /sizes with internal cementmortar lining. 450mm Dia	Each	253.00	25.00	6325.00
190		Labour only for Laying including testing DuctileIron Mechanical Joint collar with follower glandsconforming to IS: 9523/2000 having dimension asper table 24 of IS: 9523/2000 in the followingnominal diameter /sizes with internal cementmortar lining. 400 mm Dia	Each	222.00	42.00	9324.00
191		Labour only for Laying including testing DuctileIron Mechanical Joint collar with follower glandsconforming to IS: 9523/2000 having dimension asper table 24 of IS: 9523/2000 in the followingnominal diameter /sizes with internal cementmortar lining. 350 mm Dia	Each	190.00	35.00	6650.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
192		Labour only for Laying including testing DuctileIron Mechanical Joint collar with follower glandsconforming to IS: 9523/2000 having dimension asper table 24 of IS: 9523/2000 in the followingnominal diameter /sizes with internal cementmortar lining. 200 mm Dia	Each	82.00	25.00	2050.00
193		Labour only for Laying including testing DuctileIron Mechanical Joint collar with follower glandsconforming to IS: 9523/2000 having dimension asper table 24 of IS: 9523/2000 in the followingnominal diameter /sizes with internal cementmortar lining. 150 mm Dia	Each	65.00	29.00	1885.00
194		Labour only for Laying including testing DuctileIron Double Socket 90° Bends conforming to IS:9523/2000 having dimension as per table 15 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining. 450mm Dia	Each	315.00	20.00	6300.00
195		Labour only for Laying including testing DuctileIron Double Socket 90° Bends conforming to IS:9523/2000 having dimension as per table 15 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining. 400 mm Dia	Each	242.00	40.00	9680.00
196		Labour only for Laying including testing DuctileIron Double Socket 90° Bends conforming to IS:9523/2000 having dimension as per table 15 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining. 350 mm Dia	Each	187.00	32.00	5984.00
197		Labour only for Laying including testing DuctileIron Double Socket 90° Bends conforming to IS:9523/2000 having dimension as per table 15 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining. 200 mm Dia	Each	69.00	26.00	1794.00
198		Labour only for Laying including testing DuctileIron Double Socket 90° Bends conforming to IS:9523/2000 having dimension as per table 15 of IS:9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cementmortar lining. 150 mm Dia	Each	43.00	27.00	1161.00
199		Labour only for Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. 450mm Dia	Each	182.00	22.00	4004.00
200		Labour only for Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. 400 mm Dia	Each	143.00	38.00	5434.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
201		Labour only for Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. 350 mm Dia	Each	112.00	30.00	3360.00
202		Labour only for Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. 200 mm Dia	Each	47.00	22.00	1034.00
203		Labour only for Laying including testing Ductile Iron Double Socket 22.5° Bends conforming to IS: 9523/2000 having dimension as per table 17 of IS: 9523/2000 in the following nominal diameter/sizes with external bitumen coating and internal cement mortar lining. 150 mm Dia	Each	31.00	26.00	806.00
204		Labour only for Laying including testing DuctileIron Double Socket 11.25° bends conforming toIS:9523/2000 having dimension as per table 18 ofIS:9523/2000 in the following nominal diameter /sizes with external bitumencoating and internalcement mortar lining. 450mm Dia	Each	157.00	22.00	3454.00
205		Labour only for Laying including testing DuctileIron Double Socket 11.25° bends conforming toIS:9523/2000 having dimension as per table 18 ofIS:9523/2000 in the following nominal diameter /sizes with external bitumencoating and internalcement mortar lining. 400 mm Dia	Each	122.00	32.00	3904.00
206		Labour only for Laying including testing DuctileIron Double Socket 11.25° bends conforming toIS:9523/2000 having dimension as per table 18 ofIS:9523/2000 in the following nominal diameter /sizes with external bitumencoating and internalcement mortar lining. 350 mm Dia	Each	99.00	34.00	3366.00
207		Labour only for Laying including testing DuctileIron Double Socket 11.25° bends conforming toIS:9523/2000 having dimension as per table 18 ofIS:9523/2000 in the following nominal diameter /sizes with external bitumencoating and internalcement mortar lining. 200 mm Dia	Each	45.00	30.00	1350.00
208		Labour only for Laying including testing DuctileIron Double Socket 11.25° bends conforming toIS:9523/2000 having dimension as per table 18 ofIS:9523/2000 in the following nominal diameter /sizes with external bitumencoating and internalcement mortar lining. 150 mm Dia	Each	27.00	26.00	702.00
209		Labour only for cutting following DuctileIron pipes of any type and class. 450mm Dia	Per Cut	400.00	45.00	18000.00
210		Labour only for cutting following DuctileIron pipes of any type and class. 400 mm Dia	Per Cut	357.00	65.00	23205.00
211		Labour only for cutting following DuctileIron pipes of any type and class. 350 mm Dia	Per Cut	312.00	50.00	15600.00
212		Labour only for cutting following DuctileIron pipes of any type and class. 200 mm Dia	Per Cut	180.00	40.00	7200.00

S.No.	Item No.-	PARTICULARS	UNIT	RATE (in Rs.)	QTY.	AMOUNT (in Rs.)
213		Labour only for cutting following DuctileIron pipes of any type and class. 150 mm Dia	Per Cut	135.00	42.00	5670.00
214		Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. 450mm Dia	Each	2194.00	45.00	98730.00
215		Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. 400 mm Dia	Each	2018.00	65.00	131170.00
216		Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. 350 mm Dia	Each	1681.00	50.00	84050.00
217		Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. 200 mm Dia	Each	1343.00	40.00	53720.00
218		Chamfering of CI/DI pipes of all type sand classes to make suitable for tyton joints. 150 mm Dia	Each	1079.00	42.00	45318.00
219		Dismantling of Cement Concrete Pavment by mechanical means using pneumatic tools, cutter breaking to pieces not exceeding 0.02 cum in volume and stock piling atdesignated locations and disposal of dismantled materialsup to a lead of 1000 metres, stacking serviceable and unserviceable materials separately	Cum	1227.00	397.60	487855.20
220		Earth work in excavation for pipe trench in Hard soil areas including dressing, watering, ramming and disposal ofexcavated earth lead up to 50m and lift up to 1.5m,disposal earth to be levelled, neatly dressed.	Cum	266.00	5915.60	1573549.60
		Total Rs.-				**18,30,02,000.00**