



इच्छाकामना गाउँपालिका
गाउँ कार्यपालिकाको कार्यालय
बागमति प्रदेश
कुरिनटार- चितवन

दर विश्लेषण
विषय: Road Works
Contractor
Summary of Rate Analysis

आ.व. २०८०-०८१



Particular	Unit	CONTRACTOR Rate	Remarks
SITE CLEARANCE			
1. Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, trees and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of serviceable materials and stacking of serviceable Material to be used or auctioned, up to a lead of 30 meters including removal and disposal of top organic soil not exceeding 150 mm in thickness.	Sqm	18.4	
2. Cutting of Trees, including cutting of Trunks, Branches and Removal:- Cutting of trees, including cutting of trunks, branches and removal of stumps, roots, stacking of serviceable Material with all lifts up to a lead of 1000 meters and earth filling in the depression/pit (Girth from 300 mm to 600 mm)	no	1051.16	
3. Clearing Grass and Removal of Rubbish and Dressing and levelling the construction surface:- Clearing grass/ top soil and removal up to a distance of 50 meters outside the periphery of the area , including cutting and filling of small undulation.	Sqm	9.2	
4. Dismantling of Structures:- Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including dressing wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead of 1000 metres.	Cum	1869.99	
5. Dismantling of Flexible Pavements:- Dismantling of flexible pavements and disposal of dismantled Material up to a lead of 1000 metres, stacking serviceable and unserviceable Material separately	Cum	1681.93	
6. Dismantling of Cement Concrete Pavement :- Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stacking at designated locations and disposal of dismantled Material up to a lead of 1000 metres, stacking serviceable and unserviceable Material separately	Cum	3253.64	
7. Dismantling of Guard Rails :- Dismantling guard rails by manual means and disposal of dismantled Material with all lifts and up to a lead of 1000 metres, stacking serviceable Material and unserviceable Material separately.	Per.m	282	
8. Dismantling of Kerb Stone :- Dismantling Kerb stone by manual means and disposal of dismantled Material with all lifts and up to a lead of 1000 meter	Per.m	125.6	
9. Dismantling of Kerb Stone Channel :- Dismantling Kerb stone channel by manual means and disposal of dismantled Material with all lifts and up to a lead of 1000 meter	Per.m	144	
10. Dismantling of Kilometer Stone :- Dismantling Kerb stone channel by manual means and disposal of dismantled Material with all lifts and up to a lead of 1000 meter	Per.no.	262.69	
11. Dismantling of Fencing :- Dismantling of barbed wire fencing/ wire mesh fencing including foundation concrete, back filling of pit by manual means including disposal of dismantled Material with all lifts and up to a lead of 1000 metres, stacking serviceable Material and unserviceable Material separately.	Per.m	221.05	
12. Removal of Telephone / Electric Poles and Lines :- Removal of telephone / Electric poles including excavation and dismantling of foundation concrete and lines under the supervision of concerned department, disposal with all lifts and up to a lead of 1000 metres and stacking the serviceable and unserviceable Material separately	Per. No.	870.99	
Drain, Pipe Culverts and Concrete			
1. Providing, jointing and laying HDPE pipes with or without collar etc. complete in place as per Drawing and Technical Specifications 110 mm/125 mm outer dia.	Per.m	978.43	
2. Providing and Laying Reinforced Cement Concrete Flush jointed Pipe for culverts:- Providing and laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement concrete as per Drawing and Technical Specifications.			
300 mm internal dia.	Per.m	4854.86	
450 mm internal dia.	Per.m	6699.28	
600 mm internal dia.	Per.m	9114.46	
750 mm internal dia.	Per.m	17112	
900 mm internal dia.	Per.m	17332.57	
1050 mm internal dia.	Per.m	22586.74	

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F.Y. 2080/81



Particular	Unit	CONTRACTOR Rate	Remarks
EARTH WORKS			
Excavation in Cutting, Roadway Excavation in All types of Soil :- Roadway Excavation in all types of soil as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts and lead as per Drawing and instruction of the Engineer.	Cum	740.31	
Excavation in foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. (In Ordinary Soil, by Manual Means) -			
Depth upto 3m	Cum	948.75	
Depth 3m to 6m	Cum	1415.08	
Depth 6m to 9m	Cum	2290.8	
Excavation in foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. (In Ordinary Soil, by Mechanical Means)			
Depth upto 3m	Cum	109.92	
Depth 3m to 6m	Cum	128.62	
Depth 6m to 9m	Cum	166.9	
IMPROVEMENT OF SUBGRADE			
Existing road Surface to a depth of 50 mm by Mechanical Means:- Scarifying the existing road surface to a depth of 50 mm and disposal of scarified Material with in all lifts and lead as per Drawing and Technical Specifications (by Mechanical Means).	Sqm	15.6	
Construction of Subgrade and Earthen Shoulders with approved Material (capping layer):- Providing and laying sub-grade and earthen shoulders with approved Material obtained from borrow pits with all lifts and leads as per Drawing and Technical Specifications.	Cum	99.22	
SUBGRADE, BASE, HARD SHOULDER AND			
Providing and laying loose Granular Sub-Base Material:- Providing and laying loose granular sub-base on prepared surface.	Cum	1863.37	
Providing and laying Granular Sub-Base Material:- Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications (by Mechanical Means).	Cum	2651.9	
Bound Macadam:-Providing, laying, spreading and compacting Water bound macadam including requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, and compacting to the required density as per Drawing and Technical Specifications (by Mechanical Means).	Cum	4501.19	
Crusher Run Macadam Base and sub-base:- Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing, watering and compacting to form a layer of sub-base/Base course as per Drawing and Technical Specifications. By Mix in Place Method ii) For 45 mm maximum size	Cum	3733.03	
BITUMINOUS SURFACE AND BASE COURSE			
Prime Coat, with MC 30 / 70 by Mechanical Means:- Providing and applying prime coat with Bitumen (including cutter) on prepared surface of granular base including cleaning of road surface and spraying by mechanical means as per Technical Specification.	Per lit.	138.04	
Tack coat with Bitumen By Mechanical Means:- Providing and applying tack coat with hot Bitumen at specified rate on the prepared non-bituminous surfaces including cleaning as per Technical Specification by Mechanical Means).	Per lit.	128.15	
Concrete / Asphalt Concrete:- Providing and laying Bituminous concrete/ Asphalt concrete including aggregates of specified grading, premixed with bituminous binder and filler as per Drawing and Technical Specifications. Grading - II-13 mm (Nominal Size)	Cum	22181.55	
Providing and laying of hot applied thermoplastic compound at least 2mm thick including reflectorizing and painting as per DOR Traffic sign manual/ Specifications, the finished surface to be level, uniform and free from streaks and holes (On rough surface, similar to surface dressing)	Sqm.	884.19	

Signature: Jasanti
Signature: Gandel

Signature: Homji
Signature: H. H.

Signature: Ramkrishna
Signature: Ramkrishna

Signature: Ramkrishna



F.Y. 2080/81

Particular	Unit	CONTRACTOR Rate	Remarks
FALSEWORK, FORMWORK AND SURFACE FINISH FOR CONCRETE STRUCTURES			
Providing, Preparing and Installing form work including necessary supports and removing after completion for foundation and footings. (Class F1 Finish) Using timber (soft wood)	Sqm.	672.08	
Providing, Preparing and Installing form work including necessary supports and removing after completion for foundation and footings. (Class F1 Finish) Using Steel	Sqm.	552.18	
CONCRETE FOR STRUCTURES			
Providing and laying of Plain Cement Concrete M 10 (or 1:3:6 for nominal mix) in Foundation complete as per Drawing and Technical Specifications.	cum	8478.14	
Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. (A - PCC Grade M 15)	cum	10133	
Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. (A - PCC Grade M 20)	cum	11662.3	
Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. (A - RCC Grade M 20)	cum	11803.94	
Providing and laying, fitting and placing un-coated Mild steel / HYSD reinforcement complete in Foundation as per drawing and technical specification	Per. Tonne	131929.01	
Providing and laying of Reinforced/ Pre-stressed cement concrete in super-structure as per drawing and Technical Specification A) RCC Grade M 20 Height upto 5 m	cum	11716.92	
BRICK WORKS FOR STRUCTURES			
Providing and laying Brick Masonry Work in Cement mortar in Foundation / structure complete including Pointing and Plastering, as per Drawing and Technical Specifications. Cement sand mortar	cum	16621.53	
Providing and laying Brick Masonry Work in Cement mortar in Foundation / structure complete including Pointing and Plastering, as per Drawing and Technical Specifications. Cement sand mortar	cum	16324.14	
Providing and laying Brick masonry work in superstructure/ sub-structure complete excluding pointing and plastering, as per drawing and Technical Specifications. Cement Mortar 1:4 (1 cement : 4 sand)	cum	17459.88	
Providing and laying Brick masonry work in superstructure/ sub-structure complete excluding pointing and plastering, as per drawing and Technical Specifications. Cement Mortar 1:6 (1 cement : 6 sand)	cum	17162.49	
Providing and applying Pointing with cement mortar (1:3) on brick work in structure as per Technical Specifications.	Sqm	267.7	
Work:- Providing and applying 12.5 mm thick Plaster with cement mortar on brick work as per Technical Specifications. Cement Mortar 1:3 (1 cement : 3 sand)	Sqm	370.61	
Work:- Providing and applying 12.5 mm thick Plaster with cement mortar on brick work as per Technical Specifications. Cement Mortar 1:4 (1 cement : 4 sand)	Sqm	354.32	
MASONRY FOR STRUCTURES			
Providing and laying of dry Stone Masonry Work as per Drawing and Technical Specifications.	cum	4864.5	
Rubble Masonry:- Providing and laying of Stone Masonry Work in Cement Mortar 1:4 in structure complete as per Drawing and Technical Specifications (by manual means).	cum	9516.94	
Rubble Masonry:- Providing and laying of Stone Masonry Work in Cement Mortar 1:6 in structure complete as per Drawing and Technical Specifications.	cum	9231.51	
Providing and laying Random Rubble Stone Masonry work in cement mortar 1:4 in structure complete as per Drawing and Technical Specifications	cum	11109.81	
Providing and laying Coursed Rubble Stone Masonry work in cement mortar 1:4 in structure complete as per Drawing and Technical Specifications	cum	11548.76	



Sasani Jay Kamini Maharaj