स्वच्छ महाराष्ट्र अभियान (नागरी) अंतर्गत राज्यातील नागरी स्थानिक स्वराज्य संस्थांकडील शौचालयांच्या सेप्टीक टॅंक मधील मैल्याचे सुरक्षित, नियमित व्यवस्थापन करून व त्यावर प्रकीया करण्यासाठी मैला प्रक्रीया केंद्र (FSTP) बांधण्यास प्रशासकीय मान्यता देण्याबाबत.

महाराष्ट्र शासन नगर विकास विभाग

शासन निर्णय क्रमांक : स्वमअ-२०१९/प्र.क्र.१२४/निव ३४

हुतात्मा राजगुरु चौक, मादाम कामा मार्ग, ४ था मजला, मंत्रालय, मुंबई ४०००३२ दिनांक : ८ नोव्हेंबर, २०१९

पहा:

- १. शासन निर्णय, नगर विकास विभाग, क्रमांक स्वभाअ २०१५/प्र.क्र.२३/नवि ३४ दि. १५.०५.२०१५
- २. शासन परिपत्रक, नगर विकास विभाग, क्रमांक स्वमअ २०१७/प्र.क्र.३१/नवि-३४, दिनांक १७ मार्च, २०१७
- ३. शासन परिपत्रक,नगर विकास विभाग, क्रमांक स्वमअ २०१७/प्र.क्र.२६३/नवि-३४,दि. ३० डिसेंबर, २०१७
- ४. शासन निर्णय,नगर विकास विभाग, क्रमांक स्वमअ २०१७/प्र.क्र.२६३/नवि-३४,दि. १५ डिसेंबर, २०१८
- ५. शासन निर्णय,नगर विकास विभाग, क्रमांक क्र-स्वमअ-२०१९/प्र.क्र.८२/नवि ३४, दि. २४.०५.२०१९
- ६. शासन निर्णय, नगर विकास विभाग,क्रमांक क्र-स्वमअ-२०१९/प्र.क्र.१०५/नवि ३४, दि. ११.०९.२०१९

प्रस्तावना:

केंद्र शासनाच्या स्वच्छ भारत अभियानाच्या धर्तीवर संदर्भीय क्रमांक १ येथील शासन निर्णयान्वये राज्यामध्ये स्वच्छ महाराष्ट्र अभियानाची अंमलबजावणी सुरु आहे. या अभियानांतर्गत शहरांमधील ज्या कुटुंबांकड़े शौचालयाची सुविधा नाही अशा कुटुंबियांना वैयक्तिक अथवा सामुदायीक शौचालयाची सुविधा उपलब्ध करून देवून शहरे "हागणदारी मुक्त" करणे, तसेच, घनकचरा व्यवस्थापन नियम, २०१६ नुसार शहरातील घनकचरा व्यवस्थापन करून शहरे "स्वच्छ" करणे या दोन प्रमुख बाबींचा समावेश आहे.

- २. त्यानुसार, या अभियानांतर्गत राज्यातील ज्या कुटुंबाकड़े शौचालयाची सुविधा उपलब्ध नाही अशा कुटुंबांना शौचालयाची सुविधा उपलब्ध करून देवून राज्याचा संपूर्ण नागरी भाग हा दिनांक १ ऑक्टोबर, २०१७ रोजी हागणदारी मुक्त घोषीत करण्यात आला आहे.
- 3. राज्यातील सर्व शहरे हागणदारी मुक्त झाल्यानंतर, या शहरांमधील हागणदारी मुक्तीचे सातत्य राखण्यासाठी व शहरातील नागरीकांना शौचालयांच्या चांगल्या सुविधा उपलब्ध होण्याच्या दृष्टिने ही शहरे "ओडीएफ+" करण्यात येत आहेत. यापुढे, राज्यातील नागरीकांना शौचालयांच्या चांगल्या सुविधांसह शहरांमधील शौचालयांच्या सेप्टीक टॅंक मधील मैल्याचे सुरक्षित व नियमित व्यवस्थापन करून त्यावर प्रक्रीया करून या शहरांना "ओडीएफ++" दर्जा प्राप्त करणे आवश्यक आहे.
- ४. स्वच्छ महाराष्ट्र अभियानांतर्गत शहरे हागणदारी मुक्त करताना शहरांमधील ज्या भागात मलिनसःरण व्यवस्था अस्तित्वात आहे अशा भागातील शौचालये मैला व्यवस्थापनाच्या दृष्टिने मलिनसःरण व्यवस्थेस जोडण्यात आली आहेत. तर, जेथे मलिनसःरण व्यवस्था अस्तित्वात नाही अशा भागातील / शहरांमधील शौचालये सेफ्टीक टॅंकला जोडण्यात आली आहेत. जी शौचालये मलिनसःरण व्यवस्थेस

जोडण्यात आली आहेत त्या शौचलयांमधील मैल्यावर संबंधित शहरांतील मलनिस:रण प्रक्रिया केंद्रामध्ये (STP) प्रक्रीया होत आहे. परंतु, शहरातील ज्या भागात / ज्या शहरांमध्ये मलनिस:रण व्यवस्था उपलब्ध नसल्याने जी शौचालये सेफ्टीक टॅंकला जोडण्यात आली आहेत अशा भागातील / शहरांतील शौचालयांच्या सेफ्टीक टॅंक मधील मैला सुरक्षित व नियमित व्यवस्थापन करून त्यावर प्रक्रीया करणे आवश्यक आहे.

- ५. सध्यस्थितित राज्यात एकूण ३६ शहरांमध्ये पूर्णतः अथवा अंशतः प्रमाणात मलिनःसारण व्यवस्था व मलिनसःरण प्रक्रिया केंद्र (STP) अस्तित्वात व कार्यान्वित आहे. त्या शहरांमधील शौचालयाच्या सेप्टीक टॅंक मधील मैल्याचे सुरिक्षत व नियमित व्यवस्थापन व प्रक्रीया त्याच शहरातील मलिनसःरण प्रक्रीया केंद्रा मध्ये करण्यात येत आहे. तर, ज्या शहरांमध्ये मलिनःसारण प्रक्रिया केंद्र (STP) अस्तित्वात नाही, परंतु ती शहरे मलिनःसारण प्रक्रिया केंद्र (STP) अस्तित्वात असलेल्या शहरांच्या २० कि.मि. च्या परिघात आहेत अशा ३२ शहरांमधील शौचालयांच्या सेप्टीक टॅंक मधील मैला सुरिक्षत व नियमित व्यवस्थापन करून त्यावर प्रक्रीया करण्याच्या दृष्टिने ज्या शहरात मलिनःसारण प्रक्रिया केंद्र (STP) आहे अशा निजकच्या शहरांकडे सहप्रक्रिया करण्यासाठी पाठविण्याच्या सूचना संदर्भीय क्रमांक ४ येथील शासन निर्णय दिनांक १५ डिसेंबर २०१८ अन्वये देण्यात आल्या आहेत. तर, ५ शहरांकडे स्वतंत्र सेप्टीक टॅंक मधील मैला प्रक्रिया केंद्र (FSTP) अस्तित्वात आहे. अशा प्रकारे राज्यातील ३८४ शहरांपैकी ७३ शहरांमधील शौचालयांच्या सेप्टीक टॅंक मधील मैला सुरिक्षित व नियमित व्यवस्थापन करून त्यावर प्रक्रीया होत आहे. उर्वरीत ३११ शहरांमधील सेप्टीक टॅंक मधील मैला सुरिक्षित व नियमित व्यवस्थापन करून प्रक्रीया होत आहे. उर्वरीत ३११ शहरांमधील सेप्टीक टॅंक मधील मैला सुरिक्षत व नियमित व्यवस्थापन करून प्रक्रीया करणे आवश्यक असल्याने त्यासाठी योग्य तांत्रज्ञान निवडून त्या तंत्रज्ञानाची अंमलबजावणी करणे आवश्यक आहे.
- ६. स्वच्छ महाराष्ट्र अभियान अंतर्गत पर्यावरण नियोजन व तंत्रज्ञान केंद्र, अहमदाबाद (Centre for Environmental Planning and Technology (CEPT)) ह्या संस्थेबरोबर झालेल्या सामंजस्य करारा (MoU) अंतर्गत या संस्थेने सेप्टीक टॅंक मधील मैल्यावर प्रक्रीया करण्यासाठी पुढील प्रमाणे ४ तांत्रिक पर्याय सूचविले असून या ४ ही तांत्रिक पर्यायांना निरी (NEERI) या संस्थेची मान्यता घेण्यात आली आहे.
 - १) स्लज ड्राईंग बेड (एस.डी.बी)
 - २) प्लांटेड स्लजड्राईंग बेड (पी.एस.डी.ब),
 - ३) मुव्हींग बेड बायोफिल्म रिएक्टर (एम.बी.बी.आर)
 - ४) अपफ्लो ॲनोरोबिक स्लज ब्लॅकेट (यू.ए.एस.बी).
- ७. उपरोक्त विवेचनाच्या अनुषंगाने राज्यातील ३११ शहरांमधील सेप्टीक टॅंक मधील मैला सुरक्षित व नियमित व्यवस्थापन करून त्यावर प्रक्रीया करण्यासाठी सुयोग्य तंत्रज्ञान निवडून त्याची अंमलबजावणी करण्यास मान्यता देण्याची बाब शासनाच्या विचाराधीन होती.

शासन निर्णय:

प्रस्तावनेत नमूद केलेल्या बाबींचा विचार करून, पर्यावरण नियोजन व तंत्रज्ञान केंद्र, अहमदाबाद (Centre for Environmental Planning and Technology (CEPT)) ह्या संस्थेने सूचविलेल्या व निरी या संस्थेने मान्यता दिलेल्या तंत्रज्ञाना पैकी स्लज ड्राईंग बेड (एस.डी.बी) (Sludge Drying Bed (SDB))हे तंत्रज्ञान कार्यान्वयनास सोपे आहे, प्रकल्पाच्या बांधकाम व उभारणीस आवश्यक सामुग्री स्थानिक कंत्राटदारांस सहज उपलब्ध होऊ शकते, प्रकल्प कार्यान्वित ठेवण्यासाठी विद्युतीपुरवठा किमान लागतो व विखंडित विद्युतपुरवठ्याचा यावर परिणाम होत नाही तसेच, प्रकल्प देखभालीसाठी सोपा आहे. यास्तव राज्यातील मलनि:सारण प्रक्रिया केंद्र (STP) अस्तित्वात नसलेल्या शहरांमधील सेप्टीक टॅंक मधील मैला सुरक्षित व नियमित व्यवस्थापन करून त्यावर प्रक्रीया करण्यासाठी स्लज ड्राईंग बेड (एस.डी.बी) हे तंत्रज्ञान निवडून त्यावर आधारित सेप्टीक टॅंक मधील मैल्यावर प्रक्रिया केंद्र (FSTP) उभारण्यास शासन मान्यता देत आहे.

२. राज्यातील नागरी स्थानिक स्वराज्य संस्थांची लोकसंख्या विचरात घेवून, त्या शहरातील सेप्टीक टॅंक मधील मैला व्हॅक्युम एमटीअर व्दारे काढून त्यावर प्रक्रीया करण्यासाठी पुरेशा क्षमतेचे; त्या समोर दर्शविलेल्या विभागनिहाय किंमतीचे (महाराष्ट्र जीवन प्राधिकरणाच्या विभागीय निहाय दरसूचीनुसार) स्लज ड्राईंग बेड (एस.डी.बी) उभारण्यास खालील परिच्छेद ३ मध्ये नमूद केलेल्या अटी व शर्तींच्या अधीन राहून शासन प्रशासकीय मान्यता देत आहे.

		स्लज ड्राईंग बेड (एस.डी.बी) ची	प्रकल्पाची किंमत (रूपये)						
अ. क्र.		क्षमता किलो लिटर प्रति दिवस (KLD)	अमरावती विभाग	नागपूर विभाग	कोंकण विभाग	नाशिक विभाग	पुणे विभाग	औरंगाबाद विभाग	
٩	२	3	8	ч	Ę	Ø	۷	9	
9	१५००० पर्यंत	3	९,०९,२७५	९,०९,२७५	९,५२,०८७	९,२०,७६७	९,४५,३७९	९,१८,५६०	
2	94,009 - 24,000	ч	99,93,324	99,93,324	99,७०,९०४	99,२८,९४०	99,६9,०९9	99,२५,७०9	
3	२५,००१ - ५०,०००	90	9७,०६,९9८	१७,०६,९१८	9८,०७,४१५	90,38,988	9७,८९,२०७	9७,२८,४०४	
8	५०,००१ - ७५,०००	94	२१,६१,९६४	२१,६१,९६४	२२,९५,५७१	२१,९९,०२१	२२,६९,५३३	२१,९०,२५३	
ч	७५,००० पेक्षा अधिक	२०	२५,३९,१५६	२५,३९,१५६	२७,००,१३६	२५,८४,५२०	२६,६७,२५३	२५,७२,९६२	

- (अ) स्लज ड्राईंग बेड (एस.डी.बी) ची उभारणी करण्यास मंजूरी दिलेल्या नागरी स्थानिक शहरांची विभागनिहाय यादी जोडपत्र-१ म्हणून या शासन निर्णया सोबत जोडली आहे. यामध्ये संबंधित नागरी स्थानिक स्वराज्य संस्थेस त्यांच्या लोकसंखेनुसार मंजूर केलेल्या स्लज ड्राईंग बेड (एस.डी.बी) क्षमता व अंदाजित प्रकल्पीय किंमत नमूद केली आहे.
- (ब) उपरोक्त विवरणपत्रातील रकाना ३ मध्ये दर्शविलेल्या क्षमतेच्या स्लज ड्राईंग बेड (एस.डी.बी) च्या टाईप प्लान (Type Plan) व नमुना प्राकलनास (Type Estimate) महाराष्ट्र जीवन प्राधिकरणाने त्यांचे पत्र क्रमांक मनिसंस/मजीप्रा.कक्ष/नगरोत्थान/सीआर ५२७/२०१९ दिनांक ४/६.११.२०१९ अन्वये मान्यता प्रदान केली आहे.

४. अटी व शर्तीं:

- ४.९ सदर प्रकल्पासाठी कार्यान्वयन यंत्रणा संबंधित महानगरपालिका / नगरपरिषद/ नगरपंचायत राहील.
- ४.२ नागरी स्थानिक स्वराज्य संस्थेकडे असलेल्या जागेवर परंतु प्रामुख्याने घनकचरा व्यवस्थापनासाठी उपलब्ध असलेल्या जागेमध्येच या स्लज ड्राईंग बेड (एस.डी.बी) ची उभारणी करण्यात यावी.
- ४.३ स्लज ड्राईंग बेड (एस.डी.बी) च्या क्षमतेनुसार त्याचा बांधकामाचा विभाग निहाय अपेक्षित खर्चाचा सविस्तर तपशील जोडपत्र-२ म्हणून या शासन निर्णया सोबत जोडला आहे.
- ४.४ स्लज ड्राईंग बेड (एस.डी.बी) ची उभारणी / बांधणी करताना संबंधित नागरी स्थानिक स्वराज्य संस्थेस या अनुषंगाने राज्य अभियान संचालनालयाने पाठविलेल्या टाईप प्लान (Type plan) चा वापर करणे बंधनकारक आहे. सदर कामामध्ये किंवा कामाच्या उपांगामध्ये संबंधित कार्यान्वयन यंत्रणेने कोणताही (Size किंवा परिमाणा मध्ये) बदल करू नये.
- ४.५ महाराष्ट्र जीवन प्राधिकरण दरसूचीमध्ये मटेरीअल करीता लीड चार्जेस देण्याची तरतूद आहे. मात्र, सदर प्राकलन हे टाईप प्लान (Type Plan)च्या आधारे तयार केलेले नमुना प्रकलन असल्याने त्यामध्ये मटेरीअल लीडचा समावेश करण्यात आलेला नाही. यास्तव, प्रत्यक्षात स्थानिक परिस्थिती विचारात घेवून मटेरीअलचा लीड चार्जेसचा दर परिगणित करून त्याचा समावेश करण्यात यावा. तथापी, हे लीड चार्जेस नमुना प्राकलन (Estimate) किंमतीच्या ५ टक्के पेक्षा अधिक नसावेत.
- ४.६ नमूना प्राकलनात सर्वसाधारण सर्व खोदाई बाबींची तरतूद गृहीत धरण्यात आली आहे. तथापी, कार्यक्षेत्रावर प्रत्यक्ष जो भूस्तर लागेल त्यानुसार कार्यवाही करण्यात यावी.
- ४.७ नमूना प्राकलनात रॉयल्टी चार्जेस व जी.एस.टी. चे दर समाविष्ट नाहीत. त्यामुळे, रॉयल्टी चार्जेस व जी.एस.टी. बाबत ठेकेदाराने आदा केलेल्या रकमेच्या आधारे अदायगी करण्यात यावी.
- ४.८ सदर प्राकलन हे Type estimate असून trial pit result प्रमाणे excavatation strata असेल त्याप्रामणे अंमलबजावणी करण्यात यावी.
- ४.९ सर्वसाधारणपणे स्लज ड्राईंग बेड (एस.डी.बी) व Anaerobic Baffled Reactor (ABR) ची बांधणी करताना स्लज ड्राईंग बेड (एस.डी.बी) मधून Anaerobic Baffled Reactor (ABR) मध्ये गुरुत्वाव्दारे पाणी जाईल अशा पध्दतीने बांधणे बंधनकारक राहील.
- ४.१० नमूना प्राकलनात चार पंपाची तरतूद केली आहे. परंतु, सदर चारही पंप एकाच वेळी खरेदी करण्याची आवश्यकता नाही. प्रत्यक्ष क्षेत्रिय परिस्थितीचा विचार करून कार्यान्वयीन यंत्रणेने याबाबत निर्णय घ्यावा.
- ४.११ सदर प्रकल्पाची कार्यान्वयीन यंत्रणा संबंधित नागरी स्थानिक स्वराज्य संस्था असल्याने, प्रकल्प तात्रिक दृष्टया योग्यरितीने राबविणे आवश्यक असल्याने संबंधित आयुक्त,

महानगरपालिका / मुख्याधिकारी, नगरपरिषद / नगरपंचायत यांनी या शासन निर्णया सोबत जोडलेल्या जोडपत्र-३ मधील हमीपत्र (Undertaking) भक्तन राज्य अभियान संचालनालयाकडे पाठविण्यात यावे.

- ४.१२ प्रकल्पाचे काम सुरु झाल्यानंतर सक्षम प्राधिकाऱ्याने कामाची गुणवत्ता व देयके प्रमाणित केल्यानंतर उपलब्ध निधीच्या मर्यादेत कामाची देयके १५ दिवसांत संबंधित कंत्राटदारास देण्याची जबाबदारी संबंधित स्थानिक स्वराज्य संस्था/कार्यान्वयीन यंत्रणेची राहील.
- ४.१३ प्रकल्पाच्या भविष्यातील देखभाल दुरुस्ती खर्चासाठी आवश्यक ती यंत्रणा संबंधित स्थानिक स्वराज्य संस्थेने विकसित करावी व त्याद्वारे सदर प्रकल्पासाठीचा देखभाल व दुरुस्तीचा खर्च भागविण्यात यावा.
- ५. सदर स्लज ड्राईंग बेड (एस.डी.बी) च्या उभारणीचा खर्च नागरी स्थानिक स्वराज्य संस्थांना उपलब्ध करून दिलेल्या १४ व्या वित्त आयोगाच्या स्वच्छ भारत अभियानासाठी राखीव ठेवलेल्या ५० टक्के निधी मधून करण्यास मान्यता देण्यात येत आहे.
- ६. सदर प्रकल्पाची अंमलबजावणी करण्यासाठी सर्व संबंधित नागरी स्थानिक स्वराज्य संस्थांना संबंधित नियमांच्या अधिन राहून अल्पमुदतीची निविदा (७ दिवसांची) प्रसिध्द करण्यास शासन मान्यता देत आहे.
- ७. सर्व संबंधित नागरी स्थानिक स्वराज्य संस्थांनी उपरोक्त मान्यतेनुसार अल्पमुदतीची निविदा सूचना प्रसिध्द करून ती दिंनाक २० नोव्हेंबर, २०१९ पर्यंत अंतीम करून नियमानुसार करारनामा करून व कार्यन्वयन आदेश देवून संबंधित कंत्राटदारास काम सुरू करण्यास सांगण्यात यावे ही कामे दिनांक ३० नोव्हेंबर, २०१९ पर्यत पूर्ण करून घेण्याचा प्रयत्न करण्यात यावा.
- ८. सदर शासन निर्णय महाराष्ट्र शासनाच्या <u>www.maharashtra.gov.in</u> या संकेतस्थळावर उपलब्ध करण्यात आले असून त्याचा सांकेतांक २०१९११०८१३९५०८६२५ असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने.

(अजित पालवे)

कार्यासन अधिकारी, महाराष्ट्र शासन

प्रति :

- १) मा.मुख्यमंत्री यांचे प्रधान सचिव, मंत्रालय, मुंबई
- २) मा.राज्यमंत्री, नगर विकास यांचे खाजगी सचिव, मंत्रालय, मुंबई
- ३) मा.मुख्य सचिव, महाराष्ट्र राज्य, मंत्रालय, मुंबई
- ४) प्रधान सचिव (नवि–२) नगर विकास विभाग, मंत्रालय, मुंबई–३२
- ५) विभागीय आयुक्त (सर्व)

- ६) आयुक्त, तथा संचालक, नगरपरिषद प्रशासन संचालनालय, वरळी, मुंबई
- ७) जिल्हाधिकारी (सर्व)
- ८) आयुक्त, सर्व महानगरपालिका
- ९) राज्य अभियान संचालक, स्वच्छ महाराष्ट्र अभिया न (नागरी) मुंबई
- १०) प्रादेशिक उप संचालक, नगरपालिका शाखा, विभागीय आयुक्त कार्यालय (सर्व)
- ११) जिल्हा प्रशासन अधिकारी, नगरपालिका शाखा, जिल्हाधिकारी कार्यालय (सर्व)
- १२) मुख्याधिकारी, नगरपरिषदा / नगरपंचायती (सर्व)
- १३) निवडनस्ती, नवि-३४, नगर विकास विभाग, मंत्रालय, मुंबई

शासन निर्णय, क्रमांक : क्र-स्वमअ-२०१९/प्र.क्र.१२४/निव ३४, दिनांक ८ नोव्हेंबर, २०१९ सोबतचे सहपत्र.

<u>विवरणपत्र-१</u>

Amravati Division

ULBs with requirement of 3KLD FSTP

SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Babhulgaon (NP)	Yavatmal	5882	3	9,09,275
2	Chikhaldara (M Cl)	Amravati	5158	3	9,09,275
3	Mahagaon (NP)	Yavatmal	8248	3	9,09,275
4	Manora (NP)	Washim	8675	3	9,09,275
5	Maregaon (NP)	Yavatmal	8538	3	9,09,275
6	Motala (NP)	Buldana	10331	3	9,09,275
7	Nandgaon Khandeshwar (NP)	Amravati	13572	3	9,09,275
8	Sangrampur (NP)	Buldana	7258	3	9,09,275
9	Teosa NP	Amravati	12482	3	9,09,275
10	Zari (NP)	Yavatmal	1535	3	9,09,275

Amravati Division

ULBs with requirement of 5 KLD FSTP

SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Barshi Taklii	Akola	21817	5	11,13,325
2	Chandur Railway (M Cl)	Amravati	19776	5	11,13,325
3	Chandurbazar (M Cl)	Amravati	18759	5	11,13,325
4	Dattapur Dhamangaon (M CI)	Amravati	21059	5	11,13,325
5	Dharni (NP)	Amravati	15761	5	11,13,325
6	Ghatanji (M CI)	Yavatmal	21293	5	11,13,325
7	Kalamb (NP)	Yavatmal	17447	5	11,13,325
8	Ner (M Cl)	Yavatmal	22618	5	11,13,325
9	Patur (M CI)	Akola	21095	5	11,13,325
10	Ralegaon (NP)	Yavatmal	15631	5	11,13,325
11	Shendurjana (M Cl)	Amravati	21748	5	11,13,325
12	Telhara (M Cl)	Akola	20986	5	11,13,325
13	Lonar (M CI)	Buldana	23416	5	11,13,325

Amravati Division									
ULBs with requirement of 10 KLD FSTP									
SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)				
1	Umarkhed (M CI)	Yavatmal	47458	10	17,06,918				
2	Warud (M Cl)	Amravati	45482	10	17,06,918				
3	Arni(M Cl)	Yavatmal	27809	10	17,06,918				
4	Darwha (M CI)	Yavatmal	25791	10	17,06,918				
5	Daryapur Banosa (M Cl)	Amravati	36463	10	17,06,918				
6	Deulgaon Raja (M Cl)	Buldana	30827	10	17,06,918				
7	Digras (M CI)	Yavatmal	44767	10	17,06,918				
8	Jalgaon (Jamod) (M Cl)	Buldana	33400	10	17,06,918				
9	Mangrulpir (M Cl)	Washim	30983	10	17,06,918				
10	Mehkar (M Cl)	Buldana	45248	10	17,06,918				
11	Morshi (M Cl)	Amravati	37333	10	17,06,918				
12	Murtijapur (M Cl)	Akola	40295	10	17,06,918				
13	Nandura (M Cl)	Buldana	42167	10	17,06,918				
14	Pandharkaoda (M Cl)	Yavatmal	31094	10	17,06,918				
15	Risod (M Cl)	Washim	34136	10	17,06,918				

Amravati Division

ULBs with requirement of 15 KLD FSTP								
SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)			
1	Pusad (M Cl)	Yavatmal	73046	15	21,61,964			
2	Anjangaon (M CI)	Amravati	56380	15	21,61,964			
3	Buldana (M Cl)	Buldana	67431	15	21,61,964			
4	Chikhli (M Cl)	Buldana	57889	15	21,61,964			
5	Karanja (M Cl)	Washim	67907	15	21,61,964			
6	Malkapur (M Cl)	Buldana	67740	15	21,61,964			
7	Sindkhed Raja (M Cl)	Buldana	59672	15	21,61,964			
8	Wani (M Cl)	Yavatmal	58840	15	21,61,964			

Amravati Division

ULBs with requirement of 20 KLD FSTP

ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
Achalpur (M Cl)	Amravati	112311	20	25,39,156
Akola (M Corp.)	Akola	425817	20	25,39,156
Akot (M CI)	Akola	92637	20	25,39,156
Yavatmal (M Cl)	Yavatmal	116551	20	25,39,156
	Achalpur (M Cl) Akola (M Corp.) Akot (M Cl)	Achalpur (M Cl) Akola (M Corp.) Akot (M Cl) Akola	Achalpur (M Cl) Amravati 112311 Akola (M Corp.) Akola 425817 Akot (M Cl) Akola 92637	Achalpur (M Cl) Amravati 112311 20 Akola (M Corp.) Akola 425817 20 Akot (M Cl) Akola 92637 20

Aurangabad Division										
ULBs with requirement of 3 KLD FSTP										
SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)					
1	Ashti (NP)	Beed	11972	3	9,18,560					
2	Badnapur NP	Jalna	11869	3	9,18,560					
3	Ghansawangi NP	Jalna	7524	3	9,18,560					
4	Jalkot (NP)	Latur	9356	3	9,18,560					
5	Lohara B. (NP)	Osmanabad	7023	3	9,18,560					
6	Mahur (M Cl)	Nanded	11164	3	9,18,560					
7	Patoda (NP)	Beed	2373	3	9,18,560					
8	Renapur	Latur	11516	3	9,18,560					
9	Sengaon	Hingoli	8455	3	9,18,560					
10	Shirur (NP)	Beed	5806	3	9,18,560					
11	Shirur Anantpal	Latur	10417	3	9,18,560					
12	Soigaon (NP)	Aurangabad	6513	3	9,18,560					
13	Devani(NP)	Latur	12899	3	9,18,560					
14	Peth Umri (M Cl)	Nanded	13501	3	9,18,560					
15	Aundha (NP)	Hingoli	14801	3	9,18,560					
16	Biloli (M Cl)	Nanded	14923	3	9,18,560					
17	Kundalwadi (M Cl)	Nanded	14760	3	9,18,560					
18	Palam (NP)	Parbhani	14286	3	9,18,560					
	Aurangabad Division									
			ment of 5 KLD FSTP							
SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in					
1	Bhokardan (M Cl)				Lakhs)					
2	1/ - L (D.A. CI)	Jalna	24416	5	11,25,701					
	Kalamnuri (M Cl)	Jalna Hingoli	24416 24784	5 5						
3	Kalamnuri (M CI) Kandhar (M CI)				11,25,701					
3	` '	Hingoli	24784	5	11,25,701 11,25,701					
	Kandhar (M Cl)	Hingoli Nanded	24784 24843	5 5	11,25,701 11,25,701 11,25,701					
4	Kandhar (M Cl) Loha (M Cl)	Hingoli Nanded Nanded	24784 24843 24125	5 5 5	11,25,701 11,25,701 11,25,701 11,25,701					
4 5	Kandhar (M CI) Loha (M CI) Mantha NP	Hingoli Nanded Nanded Jalna	24784 24843 24125 22005	5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6	Kandhar (M Cl) Loha (M Cl) Mantha NP Bhum (M Cl)	Hingoli Nanded Nanded Jalna Osmanabad	24784 24843 24125 22005 18561	5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP)	Hingoli Nanded Nanded Jalna Osmanabad Latur	24784 24843 24125 22005 18561 18627	5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed	24784 24843 24125 22005 18561 18627 20417	5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad	24784 24843 24125 22005 18561 18627 20417 18777	5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded	24784 24843 24125 22005 18561 18627 20417 18777 20285	5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9 10	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP) Jafrabad NP	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded Jalna	24784 24843 24125 22005 18561 18627 20417 18777 20285 15910	5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9 10 11	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP) Jafrabad NP Murum (M CI)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded Jalna Osmanabad	24784 24843 24125 22005 18561 18627 20417 18777 20285 15910 18371	5 5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9 10 11 12 13	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP) Jafrabad NP Murum (M CI) Naigaon (NP)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded Jalna Osmanabad	24784 24843 24125 22005 18561 18627 20417 18777 20285 15910 18371 16719	5 5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9 10 11 12 13 14	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP) Jafrabad NP Murum (M CI) Naigaon (NP) Naldurg (M CI)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded Jalna Osmanabad Nanded Osmanabad Osmanabad	24784 24843 24125 22005 18561 18627 20417 18777 20285 15910 18371 16719 18341	5 5 5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					
4 5 6 7 8 9 10 11 12 13 14 15	Kandhar (M CI) Loha (M CI) Mantha NP Bhum (M CI) Chakur (NP) Dharur (M CI) Gangapur (M CI) Himayatnagar (NP) Jafrabad NP Murum (M CI) Naigaon (NP) Naldurg (M CI) Paranda (M CI)	Hingoli Nanded Nanded Jalna Osmanabad Latur Beed Aurangabad Nanded Jalna Osmanabad Nanded Osmanabad Osmanabad	24784 24843 24125 22005 18561 18627 20417 18777 20285 15910 18371 16719 18341 18758	5 5 5 5 5 5 5 5 5 5 5	11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701 11,25,701					

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ULBs with requirement	of 10 KLD FSTP
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	OLDS With requirement of 10 KLD F31F							
SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)			
1	Ambad (M CI)	Jalna	31553	10	17,28,404			
2	Ausa (M Cl)	Latur	36118	10	17,28,404			
3	Bhokar (M Cl)	Nanded	32899	10	17,28,404			
4	Dharmabad (M Cl)	Nanded	33741	10	17,28,404			
5	Georai (M CI)	Beed	33562	10	17,28,404			
6	Hadgaon (M CI)	Nanded	27433	10	17,28,404			
7	Kaij (NP)	Beed	30704	10	17,28,404			
8	Kalamb (M CI)	Osmanabad	25713	10	17,28,404			
9	Kannad (M CI)	Aurangabad	40759	10	17,28,404			
10	Kinwat (M Cl)	Nanded	28454	10	17,28,404			
11	Manwath (M CI)	Parbhani	32488	10	17,28,404			
12	Mukhed (M CI)	Nanded	27650	10	17,28,404			
13	Nilanga (M Cl)	Latur	36172	10	17,28,404			
14	Paithan (M CI)	Aurangabad	41536	10	17,28,404			
15	Partur (M CI)	Jalna	35883	10	17,28,404			
16	Pathri (M Cl)	Parbhani	36853	10	17,28,404			
17	Purna (M CI)	Parbhani	36433	10	17,28,404			
18	Tuljapur (M Cl)	Osmanabad	34011	10	17,28,404			
19	Umarga (M CI)	Osmanabad	35477	10	17,28,404			
20	Vaijapur (M Cl)	Aurangabad	41296	10	17,28,404			
21	Vashi (NP)	Osmanabad	27826	10	17,28,404			
22	Ahmadpur (M Cl)	Latur	43936	10	17,28,404			
23	Jintur (M Cl)	Parbhani	44291	10	17,28,404			
24	Gangakhed (M CI)	Parbhani	49891	10	17,28,404			
25	Manjlegaon (M Cl)	Beed	49453	10	17,28,404			
26	Sailu (M Cl)	Parbhani	46915	10	17,28,404			

Aurangabad Division

ULBs with requirement of 15 KLD FSTP

SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Deglur (M Cl)	Nanded	54493	15	21,90,253
2	Sillod (M Cl)	Aurangabad	58230	15	21,90,253
3	Ambejogai (M Cl)	Beed	73975	15	21,90,253
4	Basmath (M CI)	Hingoli	68846	15	21,90,253
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Aurangabad Division

ULBs with requirement of 20 KLD FSTP

SN	ULB Name	District	Population (as per Census 2011)	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Bid (M Cl)	Beed	146709	20	25,72,962
2	Hingoli (M CI)	Hingoli	85103	20	25,72,962
3	Jalna (M Cl)	Jalna	285577	20	25,72,962
4	Latur (M Cl)	Latur	382940	20	25,72,962
5	Osmanabad (M CI)	Osmanabad	111825	20	25,72,962
6	Parbhani (M Cl)	Parbhani	307170	20	25,72,962
7	Parli (M Cl)	Beed	90975	20	25,72,962
8	Udgir (M CI)	Latur	103550	20	25,72,962

Kokan Division

ULBs with requirement of 3 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (ir Lakhs)
1	Devgad - Jamsande	Sindhurdurg	2417	3	9,52,087
2	Devrukh	Ratnagiri	12689	3	9,52,087
3	Guhagar	Ratnagiri	3205	3	9,52,087
4	Jawhar (M Cl)	Palghar	12040	3	9,52,087
5	Kasai - Dodamarg (NP)	Sindhurdurg	3811	3	9,52,087
6	Khalapur(NP)	Raigad	3556	3	9,52,087
7	Lanja MC	Ratnagiri	14377	3	9,52,087
8	Mandangad (NP)	Ratnagiri	2911	3	9,52,087
9	Mangaon (NP)	Raigad	1718	3	9,52,087
10	Matheran (M CI)	Raigad	4393	3	9,52,087
11	Mhasala (NP)	Raigad	9679	3	9,52,087
12	Mokhada	Palghar	8224	3	9,52,087
13	Murud Janjira (M Cl)	Raigad	12228	3	9,52,087
14	Poladpur(NP)	Raigad	5297	3	9,52,087
15	Rajapur (M CI)	Ratnagiri	9753	3	9,52,087
16	Shahapur (NP)	Thane	11623	3	9,52,087
17	Tala (NP)	Raigad	5734	3	9,52,087
18	Talasari	Palghar	4374	3	9,52,087
19	Vengurla (M Cl)	Sindhurdurg	12392	3	9,52,087
20	Vikramgad	Palghar	5991	3	9,52,087
21	Wabhave - Vaibhavwadi (NP)	Sindhurdurg	2297	3	9,52,087

Kokan Division ULBs with requirement of 5 KLD FSTP								
SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (ir Lakhs)			
1	Alibag (M Cl)	Raigad	20743	5	11,70,904			
2	Dapoli Camp (NP)	Ratnagiri	15713	5	11,70,904			
3	Kankavli (NP)	Sindhurdurg	16398	5	11,70,904			
4	Khed (M CI)	Ratnagiri	16892	5	11,70,904			
5	Kudal	Sindhurdurg	16015	5	11,70,904			
6	Malwan (M Cl)	Sindhurdurg	18648	5	11,70,904			
7	Roha Ashtami (M Cl)	Raigad	20849	5	11,70,904			
8	Sawantwadi (M Cl)	Sindhurdurg	23851	5	11,70,904			
9	Shrivardhan (M Cl)	Raigad	15123	5	11,70,904			

Kokan Division

ULBs with requirement of 10 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Karjat (M CI)	Raigad	29663	10	18,07,415
2	Mahad (M Cl)	Raigad	27536	10	18,07,415
3	Pen (M Cl)	Raigad	37852	10	18,07,415

Kokan Division

ULBs with requirement of 15 KLD FSTP

SN	ULB Name	III R Name District Population		Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Chiplun (M Cl)	Ratnagiri	55139	15	22,95,571
2	Dahanu (M Cl)	Palghar	50287	15	22,95,571
3	Khopoli (M Cl)	Raigad	71416	15	22,95,571
4	Palghar (M Cl)	Palghar	68930	15	22,95,571

Kokan Division

ULBs with requirement of 20 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Ratnagiri (M Cl)	Ratnagiri	76229	20	27,00,136

Deoli (M Cl)

Wardha

Nagpur Division							
		ULBs with require	ment of 3 KLD FSTP				
SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)		
1	Arjuni (NP)	Gondiya	9472	3	9,09,275		
2	Ashti (NP)	Wardha	5634	3	9,09,275		
3	Bhamaragad (NP)	Gadchiroli	4046	3	9,09,275		
4	Dhanora (NP)	Gadchiroli	6109	3	9,09,275		
5	Etapalli (NP)	Gadchiroli	6742	3	9,09,275		
6	Gond Pipari (NP)	Chandrapur	8474	3	9,09,275		
7	Goregaon (NP)	Gondiya	8766	3	9,09,275		
8	Jivati (NP)	Chandrapur	3764	3	9,09,275		
9	Korchi (NP)	Gadchiroli	3256	3	9,09,275		
10	Korpana (NP)	Chandrapur	5195	3	9,09,275		
11	Kuhi (NP)	Nagpur	10436	3	9,09,275		
12	Kurkheda (NP)	Gadchiroli	7430	3	9,09,275		
13	Lakhandur (NP)	Bhandara	9231	3	9,09,275		
14	Mohadi (NP)	Bhandara	6635	3	9,09,275		
15	Mohpa (M CI)	Nagpur	6987	3	9,09,275		
16	Mowad (M CI)	Nagpur	8777	3	9,09,275		
17	Mulchera (NP)	Gadchiroli	1268	3	9,09,275		
18	Parseoni	Nagpur	11156	3	9,09,275		
19	Pombhurna (NP)	Chandrapur	6308	3	9,09,275		
20	Sadak Arjuni (NP)	Gondiya	5975	3	9,09,275		
21	Salekasa (NP)	Gondiya	1023	3	9,09,275		
22	Samudrapur (NP)	Wardha	6603	3	9,09,275		
23	Saoli (NP)	Chandrapur	8924	3	9,09,275		
24	Selu (NP)	Wardha	10489	3	9,09,275		
25	Sironcha (NP)	Gadchiroli	7427	3	9,09,275		
26	Karanja (NP)	Wardha	13369	3	9,09,275		
27	Lakhani (NP)	Bhandara	12636	3	9,09,275		
28	Sindewahi	Chandrapur	12914	3	9,09,275		
29	Sindi (M Cl)	Wardha	12858	3	9,09,275		
30	Aheri (NP)	Gadchiroli	14609	3	9,09,275		
31	Bhiwapur (NP)	Nagpur	14268	3	9,09,275		
32	Deori	Gondiya	14579	3	9,09,275		
33	Khapa (M CI)	Nagpur	14659	3	9,09,275		
				-			
		Nagpur	Division				
			ment of 5 KLD FSTP				
SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)		
1	Pauni (M Cl)	Bhandara	22821	5	11,13,325		

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22065

11,13,325

3	Narkhed (M Cl)	Nagpur	21127	5	11,13,325
4	Ramtek (M CI)	Nagpur	22310	5	11,13,325
5	Sakoli (NP)	Bhandara	21764	5	11,13,325
6	Armori (NP)	Gadchiroli	18504	5	11,13,325
7	Chamorsi (NP)	Gadchiroli	15952	5	11,13,325
8	Kalameshwar (M Cl)	Nagpur	19578	5	11,13,325

Nagpur Division

ULBs with requirement of 10 KLD FSTP Size of FSTP Cost of FSTP (in SN **ULB Name District Population** (in KLD) Lakhs) 1 Brahmapuri (M CI) Chandrapur 36025 10 17,06,918 2 **Chimur Municipal Council** Chandrapur 25741 10 17,06,918 3 Desaiganj (M CI) Gadchiroli 28781 10 17,06,918 4 Gadchandur(MC) Chandrapur 26575 10 17,06,918 5 Nagbhid (M CI) Chandrapur 26000 10 17,06,918 6 Pulgaon (M CI) Wardha 33925 10 17,06,918 7 Savner (M CI) Nagpur 32498 10 17,06,918 8 Tirora (M CI) Gondiya 25181 10 17,06,918 Wardha 9 Arvi (M CI) 42822 10 17,06,918 Katol (M CI) 10 Nagpur 43267 10 17,06,918 11 Tumsar (M CI) Bhandara 44869 10 17,06,918 Warora (M CI) 17,06,918 12 Chandrapur 46532 10

Nagpur Division

ULBs w	ith requireme	ent of 15	KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Gadchiroli (M Cl)	Gadchiroli	54152	15	21,61,964
2	Bhadravati (M CI)	Chandrapur	60565	15	21,61,964

Nagpur Division

ULBs with requirement of 20 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Bhandara (M Cl)	Bhandara	91845	20	25,39,156
2	Gondiya (M CI)	Gondiya	132813	20	25,39,156
3	Hinganghat (M Cl)	Wardha	101805	20	25,39,156
4	Kamptee (M Cl)	Nagpur	86793	20	25,39,156
5	Wardha (M CI)	Wardha	106444	20	25,39,156

Nashik Division ULBs with requirement of 3 KLD FSTP								
Deola NP	Nashik	12049	3	9,20,767				
Dhadgaon Wadfalya (NP)	Nandurbar	1253	3	9,20,767				
Karjat (NP)	Ahmadnagar	11659	3	9,20,767				
Parner (NP)	Ahmadnagar	13119	3	9,20,767				
Peth NP	Nashik	6858	3	9,20,767				
Surgana NP	Nashik	6144	3	9,20,767				
	ULB Name Deola NP Dhadgaon Wadfalya (NP) Karjat (NP) Parner (NP) Peth NP	ULBs with requirer ULB Name District Deola NP Nashik Dhadgaon Wadfalya (NP) Nandurbar Karjat (NP) Ahmadnagar Parner (NP) Ahmadnagar Peth NP Nashik	ULBs with requirement of 3 KLD FSTP ULB Name District Population Deola NP Nashik 12049 Dhadgaon Wadfalya (NP) Nandurbar 1253 Karjat (NP) Ahmadnagar 11659 Parner (NP) Ahmadnagar 13119 Peth NP Nashik 6858	ULBs with requirement of 3 KLD FSTPULB NameDistrictPopulationSize of FSTP (in KLD)Deola NPNashik120493Dhadgaon Wadfalya (NP)Nandurbar12533Karjat (NP)Ahmadnagar116593Parner (NP)Ahmadnagar131193Peth NPNashik68583				

Nashik Division

ULBs with r	requirement (of 5	KLD	FSTP
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SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)			
1	Akole(NP)	Ahmadnagar	18278	5	11,28,940			
2	Bodwad	Jalgaon	24221	5	11,28,940			
3	Dindori NP	Nashik	17734	5	11,28,940			
4	Kalwan NP	Nashik	22698	5	11,28,940			
5	Nandgaon (M Cl)	Nashik	23604	5	11,28,940			
6	Newasa (NP)	Ahmadnagar	22618	5	11,28,940			
7	Niphad NP	Nashik	20249	5	11,28,940			
8	Sakri (NP)	Dhule	21764	5	11,28,940			
9	Savda (M CI)	Jalgaon	20584	5	11,28,940			
10	Shevgaon (M CI)	Ahmadnagar	15665	5	11,28,940			

Nashik Division

ULBs with requirement of 10 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Bhadgaon (M CI)	Jalgaon	37214	10	17,34,194
2	Chandwad (MC)	Nashik	25341	10	17,34,194
3	Deolali Pravara (M Cl)	Ahmadnagar	30997	10	17,34,194
4	Dharangaon (M Cl)	Jalgaon	35375	10	17,34,194
5	Dondaicha-Warwade(M Cl)	Dhule	46767	10	17,34,194
6	Erandol (M Cl)	Jalgaon	31071	10	17,34,194
7	Faizpur (M Cl)	Jalgaon	26602	10	17,34,194
8	Igatpuri (M CI)	Nashik	30989	10	17,34,194
9	Jamkhed (M Cl)	Ahmadnagar	34017	10	17,34,194
10	Jamner (M Cl)	Jalgaon	46762	10	17,34,194
11	Nawapur (M Cl)	Nandurbar	34207	10	17,34,194
12	Parola (M Cl)	Jalgaon	37666	10	17,34,194
13	Pathardi (M Cl)	Ahmadnagar	27211	10	17,34,194

14	Rahuri (M Cl)	Ahmadnagar	38813	10	17,34,194
15	Raver (M Cl)	Jalgaon	27039	10	17,34,194
16	Satana (M CI)	Nashik	37701	10	17,34,194
17	Shrigonda (M CI)	Ahmadnagar	31134	10	17,34,194
18	Talode (M Cl)	Nandurbar	26363	10	17,34,194
19	Varangaon (NP)	Jalgaon	28410	10	17,34,194
20	Yawal (M Cl)	Jalgaon	36706	10	17,34,194

Nashik Division

ULBs with requirement of 1	S KLD FSTP	TP
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SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Chopda (M Cl)	Jalgaon	72783	15	21,99,021
2	Pachora (M CI)	Jalgaon	59609	15	21,99,021
3	Sangamner (M Cl)	Ahmadnagar	65804	15	21,99,021
4	Shahade (M CI)	Nandurbar	61376	15	21,99,021
5	Yevla (M Cl)	Nashik	56000	15	21,99,021

Nashik Division

ULBs with requirement of 20 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Ahmadnagar (M Corp.)	Ahmadnagar	350859	20	25,84,520
2	Amalner (M Cl)	Jalgaon	95994	20	25,84,520
3	Bhusawal (M Cl)	Jalgaon	187421	20	25,84,520
4	Chalisgaon(M Cl)	Jalgaon	97551	20	25,84,520
5	Dhule (M Corp.)	Dhule	375559	20	25,84,520
6	Jalgaon (M Corp.)	Jalgaon	460228	20	25,84,520
7	Malegaon (M Corp.)	Nashik	471312	20	25,84,520
8	Manmad (M Cl)	Nashik	80058	20	25,84,520
9	Shrirampur (M Cl)	Ahmadnagar	89282	20	25,84,520

Pune Division

ULBs with requirement of 3 KLD FSTP

SN	ULB Name	District Population Si		Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)				
1	Dahiwadi	Satara	2427	3	9,45,379				
2	Dudhani (M CI)	Solapur	11214	3	9,45,379				
3	Kadegaon	Sangli	11821	3	9,45,379				
4	Khanapur	Sangli	6457	3	9,45,379				
5	Khandala	Satara	6832	3	9,45,379				
6	Madha	Solapur	11027	3	9,45,379				

7	Maindargi (M CI)	Solapur	12363	3	9,45,379
8	Malkapur (M Cl)	Kolhapur	5339	3	9,45,379
9	Medha	Satara	4678	3	9,45,379
10	Murgud (M CI)	Kolhapur	11194	3	9,45,379
11	Patan	Satara	13779	3	9,45,379

Pune Division

ULBs with requirement of 5 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Bhor (M CI)	Pune	18453	5	11,61,091
2	Karmala (M Cl)	Solapur	23199	5	11,61,091
3	Kavathemahakal	Sangli	17390	5	11,61,091
4	Koregaon	Satara	24690	5	11,61,091
5	Kurduvadi (M Cl)	Solapur	22463	5	11,61,091
6	Lonand	Satara	18723	5	11,61,091
7	Malshiras	Solapur	21985	5	11,61,091
8	Mangalvedhe (M CI)	Solapur	21824	5	11,61,091
9	Mhaswad (M Cl)	Satara	24120	5	11,61,091
10	Rahimatpur (M Cl)	Satara	17633	5	11,61,091
11	Shirala	Sangli	15665	5	11,61,091
12	Waduj	Satara	17636	5	11,61,091

Pune Division

ULBs with requirement of 10 KLD FSTP

SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)
1	Akkalkot (M CI)	Solapur	40103	10	17,89,207
2	Ashta (M CI)	Sangli	37500	10	17,89,207
3	Daund (M CI)	Pune	49450	10	17,89,207
4	Gadhinglaj (M Cl)	Kolhapur	27185	10	17,89,207
5	Indapur (M Cl)	Pune	25515	10	17,89,207
6	Junnar (M Cl)	Pune	25315	10	17,89,207
7	Mohol Nagar Parishad	Solapur	27833	10	17,89,207
8	Palus	Sangli	26151	10	17,89,207
9	RajguruNagar	Pune	31000	10	17,89,207
10	Sangole (M CI)	Solapur	34321	10	17,89,207
11	Vita (M Cl)	Sangli	48289	10	17,89,207

	Pune Division								
	U	LBs with require	ment of 15 KLD FSTP						
SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)				
1	Jath	Sangli	65000	15	22,69,533				
2	Phaltan (M Cl)	Satara	52118	15	22,69,533				
3	Uran Islampur (M Cl)	Sangli	67391	15	22,69,533				
		Pune l	Division						
	U	LBs with require	ment of 20 KLD FSTP						
SN	ULB Name	District	Population	Size of FSTP (in KLD)	Cost of FSTP (in Lakhs)				
1	Barshi (M Cl)	Solapur	1.00E+05	20	26,67,253				
2	Satara (M CI)	Satara	1.00E+05	20	26,67,253				

विवरणपत्र-2

A. Measurement Sheet – 3 KLD

1. SDB

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At Sludge drying bed						
	Excavation for RCC wall	1	27.90	0.80	1.50	33.48	
	Leachate collection tank @ SDB	2	0.50	0.50	0.50	0.25	
					TOTAL	33.73	cum
2	Backfilling		33.73	-6.77		26.96	cum
	SDB bed	2	4.70	3.10	0.20	5.83	
					TOTAL	32.79	cum
3	Providing soling using 80 mm	ation for foundation dge drying bed ation for RCC wall atter collection tank @ SDB 2 0.50 0.50 0.50 0.50 0.25 TOTAL 33.73 collection tank @ SDB 2 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.5					
	For Foundation	33.73 -6.77 26.96 2 4.70 3.10 0.20 5.83 TOTAL 32.79 mm 1 27.90 0.50 0.15 2.09 @ SDB - Small 2 0.50 0.50 0.15 0.08 TOTAL 2.17 1 27.90 0.50 0.10 1.40 @ SDB - Small 2 0.50 0.50 0.10 1.40 ms M-25 1 27.90 0.30 0.20 1.67 2 4.70 3.10 0.20 5.83	2.09				
	Leachate collection tank @ SDB - Small	2	0.50	0.50	0.15	0.08	
					TOTAL	2.17	cum
4	PCC M-10						
	Below Foundation	1	27.90	0.50	0.10	1.40	
	Leachate collection tank @ SDB - Small	2	0.50	0.50	0.10	0.05	
					TOTAL	1.45	cum
5	R.C.C. work in foundations M-25						
	RCC footing under wall	1	27.90	0.30	0.20	1.67	
	RCC slab of SDB	2	4.70	3.10	0.20	5.83	
	RCC slab of leachate tank @ SDB - Small						
					TOTAL	7.60	cum
6	B.C.C. M.2E.Wall					1.40 0 0.05 L 1.45 0 1.67 0 5.83 0 0.10 L 7.60 0 1.61 0 1.73 0 3.48	
6		1	12.40	0.20	0.60	1 61	
	RCC wall of SDB - AGL						
	RCC wall of SDB - AGL						
	wan of leachate tank	1	4.20	0.20			cum
7	RCC M - 25 BEAM						
	B-1 Beam	1	13.40	0.30	0.45	1.81	
	B-2 Beam	1	14.40	0.30	0.45	1.94	
						3.75	

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
8	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	7.60	100.00		760.20	
	For Wall @100kg/Cum	1	11.57	100.00		1157.20	
	For Beam @ 100 kg/cum	1	3.75	100.00		375.30	
						2292.70	kg
					TOTAL	2.293	M.T
9	Providing and filling sand (Coarse Sand and Gravel)						
	At Sludge drying bed						
	Large gravel (dia.=5 cm)	2	4.70	3.10	0.20	5.83	
	Medium gravel (dia.=2 cm)	2	4.70	3.10	0.10	2.91	
	Sand	2	4.70	3.10	0.10	2.91	
					TOTAL	11.66	cun
10	Internal plastering - 12 mm thick						
	At SDB						
	SDB Walls	2	15.60		1.30	40.56	
	Wall at Leachate Collection Tank	2	2.00		1.20	4.80	
					TOTAL	45.36	Sq.
11	Royalty						
	Item No. 3 Providing soling using 80 mm					2.17	
	Item No. 4 PCC M-10 (For Sand Only)		0.45	1.45		0.65	
	Item No. 5 R.C.C. work in foundations M-20		0.425	7.60		3.23	
	Item No. 6 R.C.C. M-20 wall		0.425	11.57		4.92	
	Item No.8 Poviding & Filling sand (Coarse Sand & gravel)					11.66	
					TOTAL	22.62	cun

2. ABR

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation	1	5.95	2.20	1.45	18.98	cum
2	Backfilling	-1	4.75	1.30	1.45	-8.95	
					TOTAL	10.03	cum
3	Providing soling using 80 mm	1	5.75	2.00	0.15	1.73	cum
4	PCC M-10	1	5.75	2.00	0.10	1.15	cum
•			3.73	2.00	0.10	1.13	-
5	R.C.C. work in foundations M-25	1	5.35	1.60	0.20	1.71	cum
6	R.C.C. M-25 Wall						
а	R.C.C. M-20 for Walls	1	14.95	0.15	1.20	2.69	
b	R.C.C. M-20 Slab for top slab	1	4.30	1.30	0.10	0.56	
					TOTAL	3.25	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	1.71	100.00		171.20	
	For Wall @100kg/Cum	1	3.25	100.00		325.00	
						496.20	kg
					TOTAL	0.496	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)	1	3.00	1.00	0.15	0.45	
		1	3.00	1.00	0.15	0.45	
		1	5.40	1.80	0.10	0.97	
					TOTAL	1.87	Cum
9	Plaster 12 mm (ABR Internal Walls)	4	4.00		1.20	19.20	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					1.73	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	1.15		0.52	
	Item No. 6 R.C.C. work in foundations M-25		0.425	1.71		0.73	

Item	Description	No.	Length	Breadth	Depth/	Qty	Unit
No.					Height		
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	3.25		1.38	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					0.45	
					TOTAL	4.80	cum

3. PGF

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At planted gravel filter	1	5.10	3.90	1.35	26.85	
2	Backfilling @ 15% of Excavation	-1	4.50	3.30	1.35	-20.05	Cum
	backming & 13% of Excavation		4.50	3.30	TOTAL	6.80	Cum
3	Providing soling using 80 mm						
	PGF	1	4.90	3.70	0.15	2.72	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	3.66	Cum
4	PCC M-10						
	PGF	1	4.90	3.70	0.10	1.81	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	2.75	cum
5	R.C.C. work in foundations M-25						
	PGF	1	4.50	3.30	0.20	2.97	
					TOTAL	2.97	Cum

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
6	R.C.C. M-25 Wall						
	PGF	1	19.05	0.15	1.20	3.43	
					TOTAL	3.43	cum
6.1	Brick Wall						
	PGF Inlet & Outlet chamber Walls	2	3.60	0.23	0.70	1.16	
					TOTAL	1.16	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	2.97	100.00		297.00	
	For Wall @100kg/Cum	1	3.43	100.00		342.90	
						639.90	kg
					TOTAL	0.64	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)						
	At PGF						
	Large gravel (dia.=5 cm)	2	3.10	1.80	0.15	1.67	Cum
	Medium gravel (dia.=2 cm)	2	3.10	1.80	0.15	1.67	Cum
	Sand	2	3.10	1.80	0.15	1.67	Cum
					TOTAL	5.02	Cum
9	Plastering 12 mm (PGF)						
	PGF Walls	2	10.80		1.00	21.60	
	PGF - Inlet & Outlet Chamber wall	2	7.20		0.70	10.08	
					TOTAL	31.68	Sq.m
10	Diagtation	2.0	2.600	1 00	10.00	100	Nos
10	Plantation	2.0	2.600	1.80	10.00	100	Nos

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
11	Treated water tank	1			TOTAL	3000	liters
12	Royalty						
	Item No. 4 Providing soling using 80 mm					3.66	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	2.75		1.24	
	Item No. 6 R.C.C. work in foundations M-25		0.425	2.97		1.26	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	3.43		1.46	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					5.02	
					TOTAL	12.64	cum

4. Consolidate MS

Item	Description	Qty	Unit
No.			
1	Excavation for foundation	79.56	Cum
2	Backfilling	49.62	Cum
3	Providing soling using 80 mm	7.55	Cum
4	PCC M-10	5.35	cum
5	R.C.C. work in foundations M-25	12.28	Cum
6	R.C.C. M-25 Wall	18.42	cum
7	R.C.C. M-25 Beam	3.75	cum
8	Brick Wall	1.16	cum
9	Providing and fixing in position TMT / HYSD steel bars reinforcement	3.446	M.T.
10	Providing and filling sand (Coarse Sand and Gravel)		
10.1	Large gravel (dia.=5 cm)	7.95	Cum
10.2	Medium gravel (dia.=2 cm)	5.04	Cum
10.3	Sand	5.56	Cum
		18.55	Cum
11	Internal Plastering - 12 mm thick	95.44	Sq.m
12	Cement concrete cover	4.00	Nos.
13	Plantation	100.00	Nos
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage)	4	Nos
15	DOL starter upto 7.5 HP Capacity	2	Nos
16	3 Core 10 mm PVC insulated, PVC Seathed, Copper Conductor wires	100	rmt
17	uPVC pipe - 63 mm dia	100	rmt
18	Treated water tank	3000	liters
19	Royalty	40.13	cum
20	Chlorination 25 gm/hr system	1.00	Nos

B. Abstract Sheet - 3 KLD

C					Rate				Cost						
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Auranga bad	Amravat i	Nagpur	Konkan	Nashik	Pune	Auranga bad	
	Excavation for foundat directed, dewatering, p													ing as	
1.1	79.56	Cum	140	140	146	146	145	140	11,139	11,139	11,616	11,616	11,536	11,139	
1.2	Excavation for foundat dewatering, preparing					-	distace of 50	M and lifts a	s below, stac	king and spre	eading as dire	ected by Engi	ineer-incharg	e, normal	
	-	Cum	157	157	170	165	165	157	-	-	-	-	-	=	
1.3	Excavation for foundat spreading as directed b										d the area an	nd lifts as belo	ow, stacking	and	
	-	Cum	175	175	192	185	185	176	-	-	-	-	-	-	
	Filling in plinth and floo	ors / trenches with co	ontractor's murum fo	or bedding in 15cm	to 20cm laye	rs including	watering and	compaction	royalty charg	es etc.comp	lete.	1			
2.1	49.62	Cum	701	701	778	685	760	746	34,783	34,783	38,604	33,989	37,711	37,016	
	Refilling the trenches	with available excava	ited stuff with soft m	aterial first over pip	peline and th	en hard mate	erial in 15 cm	layers with a	II leads and	lifts including	consolidatio	n, surchargir	ng, etc. comp	lete.	
2.2	-	Cum	72	72	73	70	73	73	-	-	-	-	-	-	
	Providing dry trap / gra	nite / quartzite / gn	eiss, rubble stone sol	ing in 15cm to 20 cr	m thick layer	s (including h	and packing	and compact	ing), etc. cor	nplete.					
3	7.55	cum	993	993	1,143	1,009	1,029	1,009	7,497	7,497	8,629	7,617	7,768	7,617	
	Providing and laying in complete. Use of L & T				•	_	al for founda	ation and bed	ding includir	ig normal de	watering, for	m work, com	paction and	curing, etc,	
4	5.35	Cum	4,262	4,262	4,691	4,301	4,652	4,323	22,783	22,783	25,076	22,991	24,867	23,109	
5	Providing and laying in normal dewatering, 'pl Gold, Manikgad, Rajasl	ywood form work, b	ully/steel propups, co	ompaction, finishing	g and curing,										
	12.28	Cum	6,024	6,024	6,445	6,001	6,367	6,047	73,999	73,999	79,170	73,716	78,212	74,281	
6	Providing and casting i grade Slabs / Landings 1:3 of sufficient minim Rajashree, etc. cement	/ Vertical Walls / Wa um thickness if speci	iist Slabs / Steps for S al finish is to be prov	Staircase including rided and curing, etc	normal dewa	tering, cente	ring, 'plywoo	d formwork,	ully/steel pr	op-ups, com	paction, finis	hing the forn	ned surfaces	with CM	
	18.42	Cum	7,692	7,692	8,119	7,703	8,083	7,715	1,41,674		1,49,539				
7	Providing and casting in grade Beam/Braces/Ling finish is to be provided	ntels ncluding norma	I dewatering, center	ing, 'plywood formv	work, ully/st	eel prop-ups	, compaction	, finishing the	formed sur	faces with CN	/ 1:3 of suffic	cient minimu	m thickness i	if special	

Sr.					Rate						Cost					
no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Auranga bad	Amravat i	Nagpur	Konkan	Nashik	Pune	Auranga bad		
	(excluding M.S, or Tor e	inforcement)														
	3.75	cum	7,128	7,128	7,552	7,123	7,491	7,173	26,751	26,751	28,343	26,733	28,114	26,920		
8	Providing Second Class E shown on the drawing o	,	•	, · ·	ment morta	r 1:6 includin	g scaffolding	, racking out	joints pointir	ng in C.M 1:3	and waterin	g etc. in pilla	rs of curved s	hapes, as		
	1.16	cum	5,820	5,820	5,820	5,820	5,820	5,820	6,747	6,747	6,747	6,747	6,747	6,747		
	Providing and fixing in p copings, fins, arches etc.						_			-			-	dis,		
9	3.45	M.T.	57,884	57,884	63,211	60,299	63,216	59,542	1,99,441							
10	Providing, lowering, layi works, screening and wa								all leads and	d lifts involve	d including t	ransportatio	n of materials	s to site of		
10.1	40 mm Pabbles															
	7.95	Cum	1,493	1,493	1,366	1,583	1,215	1,499	11,872	11,872	10,862	12,588	9,662	11,920		
10.2	12 to 20 mm Pabbles															
	5.0	Cum	1,807	1,807	1,653	1,826	1,467	1,801	9,104	9,104	8,328	9,199	7,391	9,073		
10.3	Fine Sand															
	5.6	Cum	1,000	1,000	1,700	1,242	1,575	1,000	5,560	5,560	9,452	6,906	8,757	5,560		
	Providing internal ceme DSR(Bd.L.2 Page No. 368	•	ck in single coat in co	ement mortar 1:3 w	rithout neeru	ı finish to cor	ncrete or bric	k surfaces, ir	all position i	including sca	ffolding and	curing etc. co	omplete. PWI), e-		
11	95	sq.m	243	243	243	243	243	243	23,192	23,192	23,192	23,192	23,192	23,192		
	Providing and laying cen	nent concrete manh	ole cover (300 mm)	(300 mm)		Т	1	1	Т	1	1	1		1		
12	4	nos	1,000	1,000	1,000	1,000	1,000	1,000	4,000	4,000	4,000	4,000	4,000	4,000		
	Preparation of good soil	and manure and th	roghly mixed, levele	ing, watering and p	lanting well o	developed ca	nna bed of 1	.5' height and	d maintaining	g till well esta	blished etc o	complete.				
13	100	Nos	62.4	62.4	62.4	62.4	62.4	62.4	6,240	6,240	6,240	6,240	6,240	6,240		
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage) - Providing, erecting and giving test of centrifugal Monoblock pump set conforming to IS 9079 operating at 2900 RPM with CI impriming funnel, cock, suitable flanges at suction and delivery side. Pump shall have common shaft for pump and motor. Motor shall be suitable for working on 415 V ± 10%, 3 Ph, 50 Hz A.C. Supply. Motor be TEFC type. Pump set shall be suitable for working at various discharge and head requirements. Pump shall be erected on Provided C.C. foundation block with suitable foundation bolts grouted in C.C. foundation block										lotor shall					
	4	Nos	13,891	13,891	13,891	13,891	13,891	13,891	55,564	55,564	55,564	55,564	55,564	55,564		

Sr.					Rate						Co	Cost		
no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Auranga bad	Amravat i	Nagpur	Konkan	Nashik	Pune	Auranga bad
15	Supplying and erecting E etc complete. Starter wi				ng on 380- 44	10 Volt, 3 pha	ise, 50 Hz wit	h no volt coil	l and over loa	nd element w	ith necessar	y material an	d connected	to supply,
	2	Nos	1,618	1,618	1,618	1,618	1,618	1,618	3,236	3,236	3,236	3,236	3,236	3,236
4.5	3 core PVC insulated, PV	'C sheathed copper	conductor flat subm	ersible cable. Suppl	ying and ere	cting, Flat fle	xible submer	sible cable w	ith, Copper C	Conductor, P	/C insulated,	and PVC she	athed.	
16	100	rmt	276	276	276	276	276	276	27,600	27,600	27,600	27,600	27,600	27,600
17.1	Providing and supplying excluding GST levied by shed duly protected from	GOI and GOM in all	respect, including tr	ansportation, freigh	nt charges, in	spection cha	rges, loading	, unloading, o	conveyance t	o the depart	mental store	s and stackin	-	
	100	Rmt	99	99	99	110	99	99	9,900	9,900	9,900	11,000	9,900	9,900
17.2	Lowering, laying and jointing with P.V.C. pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of all labour, material, except ceme rubber ring, as per IS code, etc. complete (with cement solvent joint / ring fit joint) 90 mm OD										ent solvent,			
17.2	100	Rmt	28	28	28	28	28	28	2,800	2,800	2,800	2,800	2,800	2,800
18	Water Supply and Sanita up to destination hoisting	, 0	U	o .	,	•				, , ,	,	U	including of	delivery
16	3,000	Liters	11	11	11	11	11	11	33,000	33,000	33,000	33,000	33,000	33,000
19	Providing, erecting, com salt by electrolysis using case of power failure.		•		_	•			•		•			
	1	Nos	192394	192394	192394	192394	192394	192394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394
						Total cost fo	or setting up	3 KLD FSTP	9,09,275	9,09,275	9,52,087	9,20,767	9,45,379	9,18,560
10	Royalty		T T			I	I					I	I	
19	40	cum	141.34	141.34	141.34	141.34	141.34	141.34	5,672	5,672	5,672	5,672	5,672	5,672

A. Measurement Sheet – 5 KLD

1. SDB

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation	1	7.15	2.50	1.45	25.92	cum
2	Backfilling	-1	5.95	1.60	1.45	-13.80	
					TOTAL	12.11	cum
3	Providing soling using 80 mm	1	6.95	2.30	0.15	2.40	cum
4	PCC M-10	1	6.95	2.30	0.10	1.60	cum
-	FCC IVI-10	1	0.93	2.30	0.10	1.00	cum
5	R.C.C. work in foundations M-25	1	6.55	1.90	0.20	2.49	cum
6	R.C.C. M-25 Wall						
а	R.C.C. M-20 for Walls	1	18.85	0.15	1.15	3.25	
b	R.C.C. M-20 Slab for top slab	1	5.50	1.60	0.15	1.32	
					TOTAL	4.57	cum
7	Describing and fiving in position TMT / UVCD sheet have rainforcement						
,	Providing and fixing in position TMT / HYSD steel bars reinforcement	1	2.40	100.00		240.00	
	For Foundation @100kg/Cum	1	2.49	100.00		248.90	
	For Wall @100kg/Cum	1	4.57	100.00		457.16 706.06	l.a
					TOTAL	0.706	kg M.T.
					.0.7.2	0.700	
8	Providing and filling sand (Coarse Sand and Gravel)	1	3.90	1.30	0.15	0.76	
		1	3.90	1.30	0.15	0.76	
		1	5.40	1.80	0.10	0.97	
					TOTAL	2.49	Cum
			5.00		4.45	22.02	
9	Plaster 12 mm (ABR Internal Walls)	4	5.20		1.15	23.92	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					2.40	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	1.60		0.72	
	Item No. 6 R.C.C. work in foundations M-25		0.425	2.49		1.06	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	4.57		1.94	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					0.76	
					TOTAL	6.88	cum

2. ABR

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation	1	7.15	2.50	1.45	25.92	cum
2	Backfilling	-1	5.95	1.60	1.45	-13.80	
					TOTAL	12.11	cum
3	Providing soling using 80 mm	1	6.95	2.30	0.15	2.40	cum
4	PCC M-10	1	6.95	2.30	0.10	1.60	cum
5	R.C.C. work in foundations M-25	1	6.55	1.90	0.20	2.49	cum
6	R.C.C. M-25 Wall						
a	R.C.C. M-20 for Walls	1	18.85	0.15	1.20	3.39	
b	R.C.C. M-20 Slab for top slab	1	5.50	1.60	0.10	0.88	
	There. In 20 stab for top stab	_	3.30	1.00	TOTAL	4.27	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	2.49	100.00		248.90	
	For Wall @100kg/Cum	1	4.27	100.00		427.30	
						676.20	kg
					TOTAL	0.676	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)	1	3.90	1.30	0.15	0.76	
		1	3.90	1.30	0.15	0.76	
		1	5.40	1.80	0.10	0.97	
					TOTAL	2.49	Cum
9	Plaster 12 mm (ABR Internal Walls)	4	5.20		1.20	24.96	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					2.40	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	1.60		0.72	
	Item No. 6 R.C.C. work in foundations M-25		0.425	2.49		1.06	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	4.27		1.82	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					0.76	
					TOTAL	6.75	cum

3. PGF

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At planted gravel filter	1	6.10	4.40	1.35	36.23	
2	Backfilling @ 15% of Excavation	-1	5.50	3.80	1.35	-28.22	Cum
					TOTAL	8.02	
3	Providing soling using 80 mm						
	PGF	1	5.90	4.20	0.15	3.72	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	4.65	Cum
4	PCC M-10						
	PGF	1	5.90	4.20	0.10	2.48	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	3.42	cum
5	R.C.C. work in foundations M-25						
	PGF	1	5.50	3.80	0.20	4.18	
	. 5.		3.30	3.00	TOTAL	4.18	Cum
6	R.C.C. M-25 Wall						
	PGF	1	24.05	0.15	1.20	4.33	
					TOTAL	4.33	cum
6.1	Brick Wall						
	PGF Inlet & Outlet chamber Walls	2	4.60	0.23	0.70	1.48	
					TOTAL	1.48	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	4.18	100.00		418.00	
	For Wall @100kg/Cum	1	4.33	100.00		432.90	
						850.90	kg
					TOTAL	0.85	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)						
	At PGF						
	Large gravel (dia.=5 cm)	2	4.10	2.30	0.15	2.83	Cum
	Medium gravel (dia.=2 cm)	2	4.10	2.30	0.15	2.83	Cum
	Sand	2	4.10	2.30	0.15	2.83	Cum
					TOTAL	8.49	Cum
9	Plastering 12 mm (PGF)						
-	PGF Walls	2	13.80		1.00	27.60	

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
	PGF - Inlet & Outlet Chamber wall	2	9.20		0.70	12.88	
					TOTAL	40.48	Sq.m
10	Plantation	2.0	3.600	2.30	10.00	170	Nos
11	Treated water tank	1			TOTAL	3000	liters
12	Royalty						
	Item No. 4 Providing soling using 80 mm					4.65	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	3.42		1.54	
	Item No. 6 R.C.C. work in foundations M-25		0.425	4.18		1.78	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	4.33		1.84	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					8.49	
					TOTAL	18.29	cum

4. Consolidated MS

Item	Description	Qty	Unit
No.			
1	Excavation for foundation	104.88	Cum
2	Backfilling	63.87	Cum
3	Providing soling using 80 mm	9.78	Cum
4	PCC M-10	6.83	cum
5	R.C.C. work in foundations M-25	18.49	Cum
6	R.C.C. M-25 Wall	23.32	cum
7	R.C.C. M-25 Beam	4.77	cum
8	Brick Wall	1.48	cum
9	Providing and fixing in position TMT / HYSD steel bars reinforcement	4.658	M.T.
10	Providing and filling sand (Coarse Sand and Gravel)		
10.1	Large gravel (dia.=5 cm)	13.19	Cum
10.2	Medium gravel (dia.=2 cm)	8.39	Cum
10.3	Sand	8.60	Cum
		30.18	Cum
11	Internal Plastering - 12 mm thick	121.20	Sq.m
12	Cement concrete cover	4.00	Nos.
13	Plantation	170.00	Nos
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage)	4	Nos
15	DOL starter upto 7.5 HP Capacity	2	Nos
16	3 Core 10 mm PVC insulated, PVC Seathed, Copper Conductor wires	100	rmt
17	uPVC pipe - 63 mm dia	100	rmt
18	Treated water tank	3000	liters
19	Royalty	59.08	cum
20	Chlorination 25 gm/hr system	1.00	Nos

B. Abstract Sheet – 5 KLD

	Qty	_			Ra	ite				Co	ost			
Sr. no.		Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
1.1	Excavation fo stacking and s upto 1.5m.) B	spreading	as directed, de		_		_	_					_	
	104.88	Cum	140	140	146	146	145	140	14,684	14,684	15,313	15,313	15,208	14,684
1.2	Excavation fo Engineer-inch					-					as below, sta	cking and spr	eading as dire	ected by
	-	Cum	157	157	170	165	165	157	-	-	-	_	-	_
1.3	Excavation fo below, stacking							-		•		•		
	-	Cum	175	175	192	185	185	176	-	-	-	-	-	-
2.4	Filling in plint	h and floo	rs / trenches v	vith contracto	r's murum fo	r bedding in 1	.5cm to 20cm	layers includi	ng watering a	nd compactio	n royalty cha	rges etc.comp	olete.	
2.1	63.87	Cum	701	701	778	685	760	746	44,776	44,776	49,695	43,754	48,545	47,651
2.2	Refilling the t surcharging, e		vith available e ete.	excavated stuf	f with soft ma	aterial first ov	er pipeline an	d then hard n	naterial in 15 (cm layers wit	h all leads and	l lifts includin	g consolidatio	on,
2.2	-	Cum	72	72	73	70	73	73	-	-	-	-	-	-
	Providing dry	trap / gra	nite / quartzite	e / gneiss, rub	ble stone soli	ng in 15cm to	20 cm thick l	ayers (includi	ng hand packii	ng and compa	acting), etc. co	omplete.		
3	9.78	cum	993	993	1,143	1,009	1,029	1,009	9,714	9,714	11,181	9,870	10,066	9,870

Sr no	Qty	Unit			Ra	ite		Cost							
Sr. no.			Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	
4	_	Providing and laying in situ following grades of Plain Cement concrete of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including normal dewatering, form work, compaction and curing, etc, complete. Use of L & T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.)													
	6.83	Cum	4,262	4,262	4,691	4,301	4,652	4,323	29,127	29,127	32,058	29,393	31,792	29,543	
5	stanchions inc	cluding no	rmal dewater	ing, 'plywood	form work, bu	ully/steel prop	oups, compac	C work in foun tion, finishing nitted.) (exclud	and curing, et	c, complete.	(By weigh bat	_			
	18.49	Cum	6,024	6,024	6,445	6,001	6,367	6,047	1,11,402	1,11,402	1,19,187	1,10,976	1,17,745	1,11,827	
	_													y ngineer-	
6	compaction, f for M-250 and	RCC M-25	50 grade Slabs ne formed sur nly. Use of L&	f / Landings / V faces with CM T, A.C. C., Am	Vertical Walls 1:3 of sufficion buja, Birla Go	/ Waist Slabs ent minimum ld, Manikgad,	/ Steps for St thickness if s Rajashree, e	caircase includi pecial finish is tc. cement is p	ing normal de to be provide ermitted) (exc	watering, cen d and curing, cluding M.S, c	tering, 'plywo etc. complete r Tor einforc	ood formwork e. (By weigh b ement)	, ully/steel pi atching and n	rop-ups, nix design	
6	compaction, f for M-250 and	RCC M-25 inishing th d M-300 o	50 grade Slabs ne formed sur nly. Use of L& 7,692	, / Landings / V faces with CM T, A.C. C., Am 7,692	Vertical Walls 1:3 of sufficie buja, Birla Gol 8,119	/ Waist Slabs ent minimum ld, Manikgad, 7,703	/ Steps for St thickness if s Rajashree, e	aircase includi pecial finish is tc. cement is p	ing normal de to be provide ermitted) (exc	watering, cend and curing, cluding M.S, control 1,79,398	tering, 'plywo etc. complete r Tor einforc 1,89,356	ood formwork e. (By weigh b ement) 1,79,654	atching and n	op-ups, nix design	
7	23.32 Providing and in-charge For CM 1:3 of suff	RCC M-25 finishing th d M-300 o Cum casting in RCC M-25 ficient mir	50 grade Slabs ne formed sur nly. Use of L& 7,692 situ Cement of 50 grade Bean nimum thickne	7,692 Concrete of tr	Vertical Walls 1:3 of sufficie buja, Birla Gol 8,119 ap/granite/quels notuding nonish is to be p	/ Waist Slabs ent minimum ld, Manikgad, 7,703 uartzite/ gneis ormal dewate provided and c	/ Steps for St thickness if s Rajashree, e 8,083 ss metal of apring, centering curing, etc. co	caircase includi pecial finish is tc. cement is p	1,79,398 of for RCC work ormwork, ully eigh batching	watering, cend and curing, cluding M.S. conditions M.S. conditions as per detail steel prop-u	tering, 'plywo etc. complete r Tor einforc 1,89,356 ed drawings a os, compactio	e. (By weigh be ement) 1,79,654 and designs on n, finishing the	1,88,517 r as directed by the formed sur	1,79,934 y ngineer-faces with	
	23.32 Providing and in-charge For CM 1:3 of suff	RCC M-25 finishing th d M-300 o Cum casting in RCC M-25 ficient mir	50 grade Slabs ne formed sur nly. Use of L& 7,692 situ Cement of 50 grade Bean nimum thickne	7,692 Concrete of tr	Vertical Walls 1:3 of sufficie buja, Birla Gol 8,119 ap/granite/quels notuding nonish is to be p	/ Waist Slabs ent minimum ld, Manikgad, 7,703 uartzite/ gneis ormal dewate provided and c	/ Steps for St thickness if s Rajashree, e 8,083 ss metal of apring, centering curing, etc. co	7,715 proved quality ag, 'plywood formplete. (By w	1,79,398 of for RCC work ormwork, ully eigh batching	watering, cend and curing, cluding M.S. conditions M.S. conditions as per detail steel prop-u	tering, 'plywo etc. complete r Tor einforc 1,89,356 ed drawings a os, compactio	e. (By weigh be ement) 1,79,654 and designs on n, finishing the	1,88,517 r as directed by the formed sur	1,79,934 y ngineer-	
	23.32 Providing and in-charge For CM 1:3 of suff Ambuja, Birla	Cum Casting in RCC M-25 Cum Casting in RCC M-25 Ficient mir Gold, Mai	7,692 situ Cement (50 grade Bean himum thickne hikgad, Rajash 7,128	7,692 Concrete of tra/Braces/Lintees if special filteree, etc. ceme	Vertical Walls 1:3 of sufficie buja, Birla Gol 8,119 ap/granite/quels ncluding no nish is to be pent is permitte 7,552 poventional /	/ Waist Slabs ent minimum ld, Manikgad, 7,703 Jartzite/ gneis ormal dewate provided and ced) (excluding 7,123	/ Steps for St thickness if s Rajashree, e 8,083 ss metal of apring, centering, centering, etc. co y M.S, or Tor 7,491	7,715 pproved quality ag, 'plywood formplete. (By weinforcement) 7,173 portar 1:6 inclu	1,79,398 y for RCC work premwork, ully eigh batching	watering, cend and curing, cluding M.S. control of the control of	tering, 'plywo etc. complete r Tor einforc 1,89,356 ed drawings a os, compactio gn for M-250 a	1,79,654 and designs or n, finishing than M-300 or	1,88,517 T as directed be formed surply. Use of L&	1,79,934 y ngineer-faces with	

	Qty	Unit			Ra	ite		Cost						
Sr. no.			Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
9	Providing and chajjas, lintels supporting as	pardis, co	pings, fins, ar											
	4.66	M.T.	57,884	57,884	63,211	60,299	63,216	59,542	2,69,630	2,69,630	2,94,444	2,80,880	2,94,467	2,77,353
10	Providing, low transportation		•		-				•				_	
10.1	40 mm Pabbles													
	13.19	Cum	1,493	1,493	1,366	1,583	1,215	1,499	19,692	19,692	18,017	20,879	16,025	19,771
10.2	12 to 20 mm Pabbles		,			,	,	·	·	•	,		·	·
	8.4	Cum	1,807	1,807	1,653	1,826	1,467	1,801	15,160	15,160	13,868	15,319	12,307	15,109
10.3	Fine Sand													
	8.6	Cum	1,000	1,000	1,700	1,242	1,575	1,000	8,601	8,601	14,622	10,682	13,547	8,601
11	Providing inte complete. PW		•		ngle coat in ce	ement mortar	1:3 without i	neeru finish to	concrete or b	rick surfaces,	in all positior	n including sca	affolding and	curing etc.
	121	sq.m	243	243	243	243	243	243	29,452	29,452	29,452	29,452	29,452	29,452
	Providing and	laying cer	ment concrete	e manhole cov	ver (300 mm X	(300 mm)				•	•		,	· · ·
12	4	nos	1,000	1,000	1,000	1,000	1,000	1,000	4,000	4,000	4,000	4,000	4,000	4,000
15	Preparation o	f good soi	and manure	and throghly	mixed, levelei	ng, watering a	and planting	well develope	d canna bed o	f 1.5' height a	nd maintainir	ng till well est	ablished etc o	complete.
13	170	Nos	62.4	62.4	62.4	62.4	62.4	62.4	10,608	10,608	10,608	10,608	10,608	10,608

	Otre				Ra	ate		Cost						
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage) - Providing, erecting and giving test of centrifugal Monoblock pump set conforming to IS 9079 operating at 2900 RPM with CI impeller, priming funnel, cock, suitable flanges at suction and delivery side. Pump shall have common shaft for pump and motor. Motor shall be suitable for working on 415 V ± 10%, 3 Ph, 50 Hz A.C. Supply. Motor shall be TEFC type. Pump set shall be suitable for working at various discharge and head requirements. Pump shall be erected on Provided C.C. foundation block with suitable foundation bolts grouted in C.C. foundation block													
	4	Nos	13,891	13,891	13,891	13,891	13,891	13,891	55,564	55,564	55,564	55,564	55,564	55,564
15	Supplying and and connecte	_			-		-	30- 440 Volt, 3 HP Capacity	phase, 50 Hz v	with no volt c	oil and over lo	oad element v	vith necessar	y material
	2	Nos	1,618	1,618	1,618	1,618	1,618	1,618	3,236	3,236	3,236	3,236	3,236	3,236
16	3 core PVC ins	sulated, P\	/C sheathed c	copper conduc	ctor flat subm	ersible cable.	Supplying an	d erecting, Flat	t flexible subm	nersible cable	with, Copper	Conductor, P	VC insulated,	and PVC
	100	rmt	276	276	276	276	276	276	27,600	27,600	27,600	27,600	27,600	27,600
17.1	no. 4985 / 19	88 excludi acking the	ng GST levied same in close	by GOI and G	iOM in all resp	ect, including	transportati	for potable wa on, freight cha ng cost of joint	rges, inspectio	on charges, lo	ading, unload	ing, conveyar	nce to the dep	partmental
	100	Rmt	99	99	99	110	99	99	9,900	9,900	9,900	11,000	9,900	9,900
17.2			-			_		including cost olvent joint / ri			to site of wo	ks including c	ost of all labo	our,
	100	Rmt	28	28	28	28	28	28	2,800	2,800	2,800	2,800	2,800	2,800
18		ncluding of	delivery up t					r alike one pie s inlet, outlet c						
		Liters	11	11	11	11	11	11						
	3,000	Liters	11	11	11	11	11	11	33,000	33,000	33,000	33,000	33,000	33,000

	Qty Unit		Rate							Cost						
Sr. no.		Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad		
	chlorine form capable of profailure.		•				hypo chlorite	solution cont	aining 6-8 gm	s/lit of availab	le chlorine in	batch or cont	tinuous proce	ss and		
	1	Nos	192394	192394	192394	192394	192394	192394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394		
						Total cost	for setting up	5 KID ESTP	11,13,325	11,13,325	11,70,904	11,28,940	11,61,091	11,25,701		
	Royalty					10141 0030	ioi setting up	3 KED 1311	11,13,323	11,13,323	11,70,304	11,20,340	11,01,031	11,23,701		
20	59	cum	141.34	141.34	141.34	141.34	141.34	141.34	8,350	8,350	8,350	8,350	8,350	8,350		

A. Measurement Sheet – 10 KLD

1. SDB

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At Sludge drying bed						
	Excavation for RCC wall	1	64.60	0.80	1.50	77.52	
	Leachate collection tank @ SDB	4	0.50	0.50	0.50	0.50	
					TOTAL	78.02	cum
2	Backfilling		78.02	-15.91		62.11	cum
	SDB bed	4	6.00	4.00	0.20	19.20	
					TOTAL	81.31	cum
3	Providing soling using 80 mm						
	For Foundation	1	64.60	0.50	0.15	4.85	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	0.15	0.15	
	<u>-</u>				TOTAL	5.00	cum
4	PCC M-10						
4	Below Foundation	1	64.60	0.50	0.10	3.23	
		4	0.50	0.50	0.10	0.10	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	TOTAL	3.33	
					IOIAL	3.33	cum
5	R.C.C. work in foundations M-25						
	RCC footing under wall	1	64.60	0.30	0.20	3.88	
	RCC slab of SDB	4	6.00	4.00	0.20	19.20	
	RCC slab of leachate tank @ SDB - Small	4	0.50	0.50	0.20	0.20	
					TOTAL	23.28	cum
6	R.C.C. M-25 Wall						-
	RCC wall of SDB - BGL	1	33.00	0.20	0.60	3.96	
	RCC Wall of SDB- BGL	1	30.30	0.20	0.60	3.64	
	RCC wall of SDB - AGL	1	33.00	0.20	1.30	8.58	
	RCC wall of SDB - AGL	1	30.30	0.20	1.30	7.88	
	Wall of leachate tank	1	8.40	0.20	1.20	2.02	
			3.10	5.25	TOTAL	26.07	cum
7	RCC M - 25 BEAM						
	B-1 Beam	1	33.00	0.30	0.45	4.46	
	B-2 Beam	1	30.30	0.30	0.45	4.09	
						8.55	
8	Providing and fixing in position TMT / HYSD steel bars reinforcement						

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
	For Foundation @100kg/Cum	1	23.28	100.00		2327.60	
	For Wall @100kg/Cum	1	26.07	100.00		2607.00	
	For Beam @ 100 kg/cum	1	8.55	100.00		854.55	
						5789.15	kg
					TOTAL	5.789	M.T.
9	Providing and filling sand (Coarse Sand and Gravel)						
	At Sludge drying bed						
	Large gravel (dia.=5 cm)	4	6.00	4.00	0.20	19.20	
	Medium gravel (dia.=2 cm)	4	6.00	4.00	0.10	9.60	
	Sand	4	6.00	4.00	0.10	9.60	
					TOTAL	38.40	cum
10	Internal plastering - 12 mm thick						
	At SDB						
	SDB Walls	4	20.00		1.30	104.00	
	Wall at Leachate Collection Tank	4	2.00		1.20	9.60	
					TOTAL	113.60	Sq.m
11	Royalty						
	Item No. 3 Providing soling using 80 mm					5.00	
	Item No. 4 PCC M-10 (For Sand Only)		0.45	3.33		1.50	
	Item No. 5 R.C.C. work in foundations M-20		0.425	23.28		9.89	
	Item No. 6 R.C.C. M-20 wall		0.425	26.07		11.08	
	Item No.8 Poviding & Filling sand (Coarse Sand & gravel)					38.40	
					TOTAL	65.87	cum

2. ABR

Ite	Description	No.	Length	Breadth	Depth/	Qty	Unit
m					Height		
No.							
1	Excavation for foundation	1	9.15	3.00	1.45	39.80	cum
2	Backfilling	-1	7.95	2.10	1.45	-	
						24.21	
					TOTAL	15.59	cum
3	Providing soling using 80 mm	1	8.95	2.80	0.15	3.76	cum
4	PCC M-10	1	8.95	2.80	0.10	2.51	cum
5	R.C.C. work in foundations M-25	1	8.55	2.40	0.20	4.10	cum

Ite m No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
6	R.C.C. M-25 Wall						
	R.C.C. M-20 for Walls	1	25.35	0.15	1.20	4.56	
a							
b	R.C.C. M-20 Slab for top slab	1	7.50	2.10	0.10	1.58	
					TOTAL	6.14	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	4.10	100.00		410.4 0	
	For Wall @100kg/Cum	1	6.14	100.00		613.8 0	
						1024. 20	kg
					TOTAL	1.024	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)	1	5.40	1.80	0.15	1.46	
		1	5.40	1.80	0.15	1.46	
		1	5.40	1.80	0.10	0.97	
					TOTAL	3.89	Cum
9	Plaster 12 mm (ABR Internal Walls)	4	7.20		1.20	34.56	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					3.76	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	2.51		1.13	
	Item No. 6 R.C.C. work in foundations M-25		0.425	4.10		1.74	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	6.14		2.61	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					1.46	
					TOTAL	10.70	cum

3. PGF

Ite m No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At planted gravel filter	1	8.10	5.40	1.35	59.05	
2	Backfilling @ 15% of Excavation	-1	7.50	4.80	1.35	-48.60	Cum
					TOTAL	10.45	

Ite m No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
3	Providing soling using 80 mm						
	PGF	1	7.90	5.20	0.15	6.16	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	7.10	Cum
4	PCC M-10						
	PGF	1	7.90	5.20	0.10	4.11	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	5.05	cum
5	R.C.C. work in foundations M-25						
	PGF	1	7.50	4.80	0.20	7.20	
					TOTAL	7.20	Cum
6	R.C.C. M-25 Wall						
	PGF	1	34.05	0.15	1.20	6.13	
	-				TOTAL	6.13	cum
6.1	Brick Wall						
	PGF Inlet & Outlet chamber Walls	2	6.60	0.23	0.70	2.13	
					TOTAL	2.13	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	7.20	100.00		720.0 0	
	For Wall @100kg/Cum	1	6.13	100.00		612.9 0	
						1332. 90	kg
					TOTAL	1.33	M.T.
8	Providing and filling sand (Coarse Sand and Gravel) At PGF						
	Large gravel (dia.=5 cm)	2	6.10	3.30	0.15	6.04	Cum
	Medium gravel (dia.=2 cm)	2	6.10	3.30	0.15	6.04	Cum
	Sand	2	6.10	3.30	0.15	6.04	Cum
					TOTAL	18.12	Cum
9	Plastering 12 mm (PGF)						
-	PGF Walls	2	19.80		1.00	39.60	
	PGF - Inlet & Outlet Chamber wall	2	13.20		0.70	18.48	
					TOTAL	58.08	Sq.m
10	Plantation	2.0	5.600	3.30	10.00	370	Nos

Ite m No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
11	Treated water tank	1			TOTAL	3000	liters
12	Barrathi						
12	Royalty						
	Item No. 4 Providing soling using 80 mm					7.10	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	5.05		2.27	
	Item No. 6 R.C.C. work in foundations M-25		0.425	7.20		3.06	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	6.13		2.60	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					18.12	
					TOTAL	33.15	cum

4. Consolidated MS

Item	Description	Qty	Unit
No.			
1	Excavation for foundation	176.87	Cum
2	Backfilling	107.35	Cum
3	Providing soling using 80 mm	15.85	Cum
4	PCC M-10	10.88	cum
5	R.C.C. work in foundations M-25	34.58	Cum
6	R.C.C. M-25 Wall	38.93	cum
7	R.C.C. M-25 Beam	8.55	cum
8	Brick Wall	2.13	cum
9	Providing and fixing in position TMT / HYSD steel bars reinforcement	8.206	M.T.
10	Providing and filling sand (Coarse Sand and Gravel)		
10.1	Large gravel (dia.=5 cm)	26.70	Cum
10.2	Medium gravel (dia.=2 cm)	17.10	Cum
10.3	Sand	16.61	Cum
		60.41	Cum
11	Internal Plastering - 12 mm thick	204.80	Sq.m
12	Cement concrete cover	4.00	Nos.
13	Plantation	370.00	Nos
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single		
14	Stage)	4	Nos
15	DOL starter upto 7.5 HP Capacity	2	Nos
16	3 Core 10 mm PVC insulated, PVC Seathed, Copper Conductor wires	100	rmt
17	uPVC pipe - 63 mm dia	100	rmt
18	Treated water tank	3000	liters
19	Royalty	109.97	cum
20	Chlorination 25 gm/hr system	1.00	Nos

B. Abstract Sheet – 10 KLD

					Ra	te					Co	st		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
1.1	Excavation for stacking and s (Lift upto 1.5r	preading	as directed, d	ewatering, pr	_									
1.1	176.87	Cum	140	140	146	146	145	140	24,762	24,762	25,823	25,823	25,646	24,762
1.2	Excavation for Engineer-inch										ts as below, s	stacking and s	preading as o	lirected by
	-	Cum	157	157	170	165	165	157	-	-	-	-	-	-
1.3	Excavation for below, stacking													
	-	Cum	175	175	192	185	185	176	-	-	-	-	-	-
	Filling in plint	n and floo	rs / trenches	with contract	or's murum fo	or bedding in	15cm to 20cr	m layers includ	ding watering	and compact	ion royalty ch	narges etc.com	mplete.	1
2.1	107.35	Cum	701	701	778	685	760	746	75,254	75,254	83,520	73,537	81,588	80,085
	Refilling the t surcharging, e		vith available ete.	excavated stu	ıff with soft m	naterial first o	ver pipeline a	and then hard	material in 1	5 cm layers w	ith all leads a	nd lifts includ	ling consolida	tion,
2.2	1	Cum	72	72	73	70	73	73		-	-	-	-	-
	Providing dry	trap / gra	nite / quartzit	e / gneiss, ru	bble stone sol	ing in 15cm t	o 20 cm thick	layers (includ	ling hand pacl	king and com	pacting), etc.	complete.	1	1
3	15.85	cum	993	993	1,143	1,009	1,029	1,009	15,743	15,743	18,121	15,996	16,313	15,996
	Providing and compaction a		_	-		•					bedding inclu	uding normal	dewatering, f	orm work,
4	10.88	Cum	4,262	4,262	4,691	4,301	4,652	4,323	46,377	46,377	51,045	46,801	50,621	47,041
5	Providing and steel stanchio 250 and M-30	ns includi	ng normal dev	watering, 'ply	wood form w	ork, bully/ste	el propups, c	ompaction, fi	nishing and cu	ıring, etc, con	nplete. (By we	eigh batching		
5	34.58	Cum	6,024	6,024	6,445	6,001	6,367	6,047	2,08,310	2,08,310	2,22,868	2,07,515	2,20,171	2,09,105
6	Providing and ngineer-in-cha													

					Ra	te			Cost						
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	
	prop-ups, con		_							•	O,	•	. ,	atching and	
	mix design for	r M-250 aı	nd M-300 only	y. Use of L&T,	, A.C. C., Amb	uja, Birla Golo	l, Manikgad,	Rajashree, etc	. cement is pe	ermitted) (exc	luding M.S, o	r Tor einford	ement)		
	38.93	Cum	7,692	7,692	8,119	7,703	8,083	7,715	2,99,483	2,99,483	3,16,108	2,99,911	3,14,707	3,00,379	
7	Providing and ngineer-in-cha surfaces with of L&T, A.C. C	arge For F CM 1:3 of	RCC M-250 gra sufficient mi	ade Beam/Bra nimum thickn	aces/Lintels no less if special	cluding norma	al dewatering provided and	g, centering, 'p d curing, etc. o	olywood form complete. (By	work, ully/sto weigh batchi	eel prop-ups,	compaction,	finishing the	formed	
	8.55	cum	7,128	7,128	7,552	7,123	7,491	7,173	60,912	60,912	64,536	60,870	64,014	61,297	
8	Providing Second pillars of curve								luding scaffol	ding, racking	out joints poi	nting in C.M	1:3 and wate	ring etc. in	
	2.13	cum	5,820	5,820	5,820	5,820	5,820	5,820	12,369	12,369	12,369	12,369	12,369	12,369	
9	Providing and chajjas, lintels supporting as	pardis, co	opings, fins, a										•		
9	8.21	M.T.	57,884	57,884	63,211	60,299	63,216	59,542	4,74,995	4,74,995	5,18,709	4,94,813	5,18,750	4,88,601	
10	Providing, low transportation		-		_									_	
10.1	40 mm Pabbles														
	26.70	Cum	1,493	1,493	1,366	1,583	1,215	1,499	39,859	39,859	36,468	42,261	32,437	40,019	
10.2	12 to 20 mm Pabbles														
	17.1	Cum	1,807	1,807	1,653	1,826	1,467	1,801	30,894	30,894	28,261	31,219	25,081	30,792	
10.3	Fine Sand														
	16.6	Cum	1,000	1,000	1,700	1,242	1,575	1,000	16,611	16,611	28,239	20,631	26,162	16,611	
11	Providing inte etc. complete				ingle coat in c	ement morta	r 1:3 without	neeru finish t	o concrete or	brick surface	s, in all positi	on including	scaffolding ar	nd curing	
	1	sq.m													

i					Ra	ite					Co	st		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
	205		243	243	243	243	243	243	49,766	49,766	49,766	49,766	49,766	49,766
i	Providing and	laying ce	ment concrete	e manhole co	ver (300 mm	X 300 mm)		ı					1	T
12	4	nos	1,000	1,000	1,000	1,000	1,000	1,000	4,000	4,000	4,000	4,000	4,000	4,000
i	Preparation o	f good soi	l and manure	and throghly	mixed, levele	ing, watering	and planting	well develop	ed canna bed	of 1.5' height	and maintain	ning till well e	stablished et	c complete.
13	370	Nos	62.4	62.4	62.4	62.4	62.4	62.4	23,088	23,088	23,088	23,088	23,088	23,088
14	2.0 HP capacities 2900 RPM with working on 42 erected on Pr	th CI impe L5 V ± 10%	ller, priming f 6, 3 Ph, 50 Hz	unnel, cock, s A.C. Supply. I	uitable flange Motor shall be	es at suction a TEFC type. P	and delivery s ump set shal	ide. Pump sha I be suitable fo	III have commor working at	on shaft for p	oump and mo	tor. Motor sh	all be suitabl	e for
ı	4	Nos	13,891	13,891	13,891	13,891	13,891	13,891	55,564	55,564	55,564	55,564	55,564	55,564
15	Supplying and material and o		l to supply, et	c complete. S	tarter with or	riginal sheet s	teel encloser	upto 7.5 HP	Capacity					
	2		1,618	1,618	1,618	1,618	1,618	1,618	3,236	3,236	3,236	3,236	3,236	3,236
16	3 core PVC ins sheathed.	sulated, P	VC sheathed o	copper condu	ctor flat subm	nersible cable	. Supplying ar	nd erecting, Fl	at flexible sub	mersible cab	le with, Copp	er Conductor	, PVC insulate	ed, and PVC
	100	rmt	276	276	276	276	276	276	27,600	27.600	27,600	27,600	27,600	27.600
ı	Providing and							l .		,		•		27,600
17.1	specification in departmental be jointed with	no. 4985 / stores an	g in standard I 1988 excluding d stacking the	ng GST levied e same in clos	by GOI and G	OM in all res	pect, includin		vater with solvion, freight ch	vent cement j arges, inspec	tion charges,	g cost of cou loading, unlo	plers, as per I ading, convey	S /ance to the
17.1	specification is departmental be jointed with 100	no. 4985 / stores an h cement Rmt	g in standard I 1988 excluding d stacking the solvent) 90	ng GST levied e same in clos mm OD 99	by GOI and G ed shed duly 99	OM in all res protected fro 110	pect, includin m sun rays ai 99	g transportati nd rains includ	vater with solvion, freight ch ling cost of joi	vent cement j arges, inspec inting materia	tion charges, al i.e. solvent 9,900	g cost of cou loading, unlo cement, etc. 11,000	plers, as per I ading, conver complete (se	yance to the ffit type to
	specification in departmental be jointed with	no. 4985 / stores an th cement Rmt ng and joi	g in standard I 1988 excluding d stacking the solvent) 90 99 nting with P.V	ng GST levied e same in clos mm OD 99 V.C. pipes and	by GOI and G ed shed duly 99 I specials of fo	oom in all resprotected fro	pect, includin m sun rays ar 99 and diamete	g transportati nd rains includ 99 r including cos	vater with solvion, freight chiling cost of joi 9,900 st of conveyar	vent cement j arges, inspec inting materia 9,900 nce from stor	tion charges, al i.e. solvent 9,900	g cost of cou loading, unlo cement, etc. 11,000	plers, as per I ading, conver complete (se	yance to the ffit type to
17.1	specification is departmental be jointed with 100 Lowering, layi	no. 4985 / stores an th cement Rmt ng and joi	g in standard I 1988 excluding d stacking the solvent) 90 99 nting with P.V	ng GST levied e same in clos mm OD 99 V.C. pipes and	by GOI and G ed shed duly 99 I specials of fo	oom in all resprotected fro	pect, includin m sun rays ar 99 and diamete	g transportati nd rains includ 99 r including cos	vater with solvion, freight chiling cost of joi 9,900 st of conveyar	vent cement j arges, inspec inting materia 9,900 nce from stor	tion charges, al i.e. solvent 9,900	g cost of cou loading, unlo cement, etc. 11,000	plers, as per I ading, conver complete (se	yance to the ffit type to
	specification in departmental be jointed with 100 Lowering, laying material, excellent	no. 4985 / stores an th cement Rmt ing and joi ept cemen Rmt and Sani acluding o	g in standard I 1988 excludid d stacking the solvent) 90 99 Inting with P.V t solvent, rub 28 tary Fitting 42 f delivery up t	ng GST levied e same in clos mm OD 99 V.C. pipes and ber ring, as p 28	99 Specials of for 28 iding and fixing	110 cllowing class c. complete (v	99 and diamete vith cement s 28 ainer Syntex	g transportation grains included grains including costolvent joint / 28 or alike one pi	yater with solvion, freight ching cost of joi 9,900 st of conveyar ring fit joint). 2,800 ece moulded	yent cement j arges, inspec inting materia 9,900 nce from stor - 90 mm OD 2,800 water tank m	9,900 es to site of w 2,800 ade out of lo	g cost of couloading, unlo cement, etc. 11,000 vorks includin 2,800 w density pol	plers, as per I ading, conver complete (se 9,900 g cost of all la 2,800 ythyler and b	syance to the iffit type to 9,900 abour, 2,800 uilt
17.2	specification in departmental be jointed with 100 Lowering, laying material, excess 100 Water Supply corrugation in	no. 4985 / stores an th cement Rmt ing and joi ept cemen Rmt and Sani acluding o	g in standard I 1988 excludid d stacking the solvent) 90 99 Inting with P.V t solvent, rub 28 tary Fitting 42 f delivery up t	ng GST levied e same in clos mm OD 99 V.C. pipes and ber ring, as p 28	99 Specials of for 28 iding and fixing	110 cllowing class c. complete (v	99 and diamete vith cement s 28 ainer Syntex	g transportation grains included grains including costolvent joint / 28 or alike one pi	yater with solvion, freight ching cost of joi 9,900 st of conveyar ring fit joint). 2,800 ece moulded	yent cement j arges, inspec inting materia 9,900 nce from stor - 90 mm OD 2,800 water tank m	9,900 es to site of w 2,800 ade out of lo	g cost of couloading, unlo cement, etc. 11,000 vorks includin 2,800 w density pol	plers, as per I ading, conver complete (se 9,900 g cost of all la 2,800 ythyler and b	syance to the iffit type to 9,900 abour, 2,800 uilt

					Ra	te			Cost					
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
	generating ch process and c failure.			•				nypo chlorite	solution conta	aining 6-8 gm:	s/lit of availat	ole chlorine in	batch or con	tinuous
	1	Nos	192394	192394	192394	192394	192394	192394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394
	Davidh.					Total cost fo	or setting up	10 KLD FSTP	17,06,918	17,06,918	18,07,415	17,34,194	17,89,207	17,28,404
20	Royalty 110	cum	141.34	141.34	141.34	141.34	141.34	141.34	15,543	15,543	15,543	15,543	15,543	15,543

A. Measurement Sheet - 15 KLD

1. SDB

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At Sludge drying bed						
	Excavation for RCC wall	1	80.10	0.80	1.50	96.12	
	Leachate collection tank @ SDB	4	0.50	0.50	0.50	0.50	
					TOTAL	96.62	cum
2	Backfilling		96.62	-19.74		76.88	cum
	SDB bed	4	7.50	5.00	0.20	30.00	
					TOTAL	106.88	cum
3	Providing soling using 80 mm						
	For Foundation	1	80.10	0.50	0.15	6.01	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	0.15	0.15	
					TOTAL	6.16	cum
4	PCC M-10						
	Below Foundation	1	80.10	0.50	0.10	4.01	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	0.10	0.10	
					TOTAL	4.11	cum
5	R.C.C. work in foundations M-25						
	RCC footing under wall	1	80.10	0.30	0.20	4.81	
	RCC slab of SDB	4	7.50	5.00	0.20	30.00	
	RCC slab of leachate tank @ SDB - Small	4	0.50	0.50	0.20	0.20	
	The Stab of Teachate talling 355 Shidii		0.50	0.50	TOTAL	35.01	cum
6	R.C.C. M-25 Wall		11.00	0.20	0.50	4.00	
	RCC wall of SDB - BGL	1	41.00	0.20	0.60	4.92	
	RCC Wall of SDB- BGL	1	37.80	0.20	0.60	4.54	
	RCC wall of SDB - AGL	1	41.00	0.20	1.30	10.66	
	RCC wall of SDB - AGL	1	37.80	0.20	1.30	9.83	
	Wall of leachate tank	1	8.40	0.20	1.20 TOTAL	2.02 31.96	cum
					·	J1. J0	Jaill
7	RCC M - 25 BEAM						
	B-1 Beam	1	41.00	0.30	0.45	5.54	
	B-2 Beam	1	37.80	0.30	0.45	5.10 10.64	
						10.04	
8	Providing and fixing in position TMT / HYSD steel bars reinforcement						

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
	For Foundation @100kg/Cum	1	35.01	100.00		3500.60	
	For Wall @100kg/Cum	1	31.96	100.00		3196.00	
	For Beam @ 100 kg/cum	1	10.64	100.00		1063.80	
						7760.40	kg
					TOTAL	7.760	M.T.
9	Providing and filling sand (Coarse Sand and Gravel)						
	At Sludge drying bed						
	Large gravel (dia.=5 cm)	4	7.50	5.00	0.20	30.00	
	Medium gravel (dia.=2 cm)	4	7.50	5.00	0.10	15.00	
	Sand	4	7.50	5.00	0.10	15.00	
					TOTAL	60.00	cum
10	Internal plastering - 12 mm thick						
	At SDB						
	SDB Walls	4	25.00		1.30	130.00	
	Wall at Leachate Collection Tank	4	2.00		1.20	9.60	
					TOTAL	139.60	Sq.m
11	Royalty						
	Item No. 3 Providing soling using 80 mm					6.16	
	Item No. 4 PCC M-10 (For Sand Only)		0.45	4.11		1.85	
	Item No. 5 R.C.C. work in foundations M-20		0.425	35.01		14.88	
	Item No. 6 R.C.C. M-20 wall		0.425	31.96		13.58	
	Item No.8 Poviding & Filling sand (Coarse Sand & gravel)					60.00	
					TOTAL	96.47	cum

2. ABR

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation	1	10.75	3.40	1.45	53.00	cum
2	Backfilling	-1	9.55	2.50	1.45	-34.62	
					TOTAL	18.38	cum
3	Providing soling using 80 mm	1	10.55	3.20	0.15	5.06	cum
4	PCC M-10	1	10.55	3.20	0.10	3.38	cum

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
5	R.C.C. work in foundations M-25	1	10.15	2.80	0.20	5.68	cum
6	R.C.C. M-25 Wall						
а	R.C.C. M-20 for Walls	1	30.55	0.15	1.20	5.50	
b	R.C.C. M-20 Slab for top slab	1	9.10	2.50	0.10	2.28	
					TOTAL	7.77	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	5.68	100.00		568.40	
	For Wall @100kg/Cum	1	7.77	100.00		777.40	
						1345.80	kg
					TOTAL	1.346	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)	1	6.60	2.20	0.15	2.18	
		1	6.60	2.20	0.15	2.18	
		1	5.40	1.80	0.10	0.97	
					TOTAL	5.33	Cum
9	Plaster 12 mm (ABR Internal Walls)	4	8.80		1.20	42.24	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					5.06	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	3.38		1.52	
	Item No. 6 R.C.C. work in foundations M-25		0.425	5.68		2.42	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	7.77		3.30	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					2.18	
					TOTAL	14.48	cum

3. PGF

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At planted gravel filter	1	9.50	6.10	1.35	78.23	
2	Backfilling @ 15% of Excavation	-1	8.90	5.50	1.35	-66.08	Cum

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
					TOTAL	12.15	
	Description and the section 00 may						
3	Providing soling using 80 mm	1	0.20	F 00	0.15	0.22	
	PGF	1	9.30	5.90	0.15	8.23	
	For treated water tank	1	2.50	2.50	0.15 TOTAL	0.94	
					TOTAL	9.17	Cum
4	PCC M-10						
	PGF	1	9.30	5.90	0.10	5.49	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	6.42	cum
5	R.C.C. work in foundations M-25						
	PGF	1	8.90	5.50	0.20	9.79	
					TOTAL	9.79	Cum
6	R.C.C. M-25 Wall						
	PGF	1	41.05	0.15	1.20	7.39	
					TOTAL	7.39	cum
6.1	Brick Wall						
	PGF Inlet & Outlet chamber Walls	2	8.00	0.23	0.70	2.58	
					TOTAL	2.58	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
<u> </u>	For Foundation @100kg/Cum	1	9.79	100.00		979.00	
	For Wall @100kg/Cum	1	7.39	100.00		738.90	
	. o. tran C zootg, cam		7.00	200.00		1717.90	kg
					TOTAL	1.72	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)						
	At PGF						
	Large gravel (dia.=5 cm)	2	7.50	4.00	0.15	9.00	Cum
	Medium gravel (dia.=2 cm)	2	7.50	4.00	0.15	9.00	Cum
	Sand	2	7.50	4.00	0.15	9.00	Cum
					TOTAL	27.00	Cum
9	Plastering 12 mm (PGF)						
	PGF Walls	2	24.00		1.00	48.00	
	PGF - Inlet & Outlet Chamber wall	2	16.00		0.70	22.40	
					TOTAL	70.40	Sq.m
10	Plantation	2.0	7.000	4.00	10.00	560	Nos

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
11	Treated water tank	1			TOTAL	3000	liters
12	Royalty						
	Item No. 4 Providing soling using 80 mm					9.17	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	6.42		2.89	
	Item No. 6 R.C.C. work in foundations M-25		0.425	9.79		4.16	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	7.39		3.14	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					27.00	
					TOTAL	46.36	cum

4. Consolidated MS

Item	Description	Qty	Unit
No.			
1	Excavation for foundation	227.85	Cum
2	Backfilling	137.41	Cum
3	Providing soling using 80 mm	20.39	Cum
4	PCC M-10	13.91	cum
5	R.C.C. work in foundations M-25	50.48	Cum
6	R.C.C. M-25 Wall	48.03	cum
7	R.C.C. M-25 Beam	10.64	cum
8	Brick Wall	2.58	cum
9	Providing and fixing in position TMT / HYSD steel bars reinforcement	10.915	M.T.
10	Providing and filling sand (Coarse Sand and Gravel)		
10.1	Large gravel (dia.=5 cm)	41.18	Cum
10.2	Medium gravel (dia.=2 cm)	26.18	Cum
10.3	Sand	24.97	Cum
		92.33	Cum
11	Internal Plastering - 12 mm thick	250.48	Sq.m
12	Cement concrete cover	4.00	Nos.
13	Plantation	560.00	Nos
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage)	4	Nos
15	DOL starter upto 7.5 HP Capacity	2	Nos
16	3 Core 10 mm PVC insulated, PVC Seathed, Copper Conductor wires	100	rmt
17	uPVC pipe - 63 mm dia	100	rmt
18	Treated water tank	3000	liters
19	Royalty	157.69	cum
20	Chlorination 25 gm/hr system	1.00	Nos

B. Abstract Sheet - 15 KLD

	o. Qty Unit			Ra	te					Co	ost			
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
1.1	stacking and	d spreading	ion in earth, so as directed, d echanical Mear	ewatering, pr										
	227.85	Cum	140	140	146	146	145	140	31,899	31,899	33,266	33,266	33,038	31,899
1.2			ion / pipe tren mal dewaterir			-					fts as below, s	stacking and	spreading as	directed by
	-	Cum	157	157	170	165	165	157	-	-	-	-	-	-
1.3			ion / pipe tren reading as dire					-	-		•			
	-	Cum	175	175	192	185	185	176	-	-	-	-	-	-
	Filling in pli	nth and floo	ors / trenches	with contracto	or's murum fo	or bedding in	15cm to 20cr	n layers inclu	ding watering	and compact	tion royalty ch	narges etc.co	mplete.	
2.1	137.41	Cum	701	701	778	685	760	746	96,325	96,325	1,06,905	94,126	1,04,432	1,02,508
2.2	Refilling the surcharging		with available lete.	excavated stu	ff with soft m	aterial first o	ver pipeline a	and then hard	material in 1	5 cm layers w	rith all leads a	nd lifts includ	ding consolida	ation,
2.2	-	Cum	72	72	73	70	73	73	-	-	-	-	_	-
	Providing d	ry trap / gra	nite / quartzit	e / gneiss, rul	oble stone sol	ing in 15cm to	o 20 cm thick	layers (includ	ding hand pac	king and com	pacting), etc.	complete.		
3	20.39	cum	993	993	1,143	1,009	1,029	1,009	20,247	20,247	23,305	20,573	20,981	20,573

	o. Qty Unit			Ra	ite			Cost						
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
4	_		_					uartzite/ gneiss , Rajashree, et			bedding inclu	uding normal	dewatering, f	form work,
•	13.91	Cum	4,262	4,262	4,691	4,301	4,652	4,323	59,265	59,265	65,231	59,808	64,688	60,113
5	steel stanch	nions includ	ing normal de	watering, 'ply	wood form w	ork, bully/ste	el propups, o	CC work in fou compaction, fir ement is perm	nishing and cu	ıring, etc, cor	nplete. (By w	eigh batching		
	50.48	Cum	6,024	6,024	6,445	6,001	6,367	6,047	3,04,092	3,04,092	3,25,344	3,02,930	3,21,406	3,05,253
									•	•	-	-	or as directe	•
6	prop-ups, c mix design	ompaction,	RCC M-250 gr finishing the and M-300 onl	ade Slabs / La formed surfac ly. Use of L&T,	ndings / Verti es with CM 1 , A.C. C., Amb	ical Walls / W :3 of sufficien uja, Birla Golo	aist Slabs / S t minimum t d, Manikgad,	teps for Stairca hickness if spe Rajashree, etc	ase including cial finish is to cement is po	normal dewa o be provided ermitted) (exc	tering, center l and curing, e cluding M.S, c	ring, 'plywood etc. complete or Tor einford	I formwork, 1 . (By weigh ba ement)	ully/steel atching and
7	48.03 Providing a ngineer-in-c surfaces wi	Cum nd casting in charge For th CM 1:3 o	RCC M-250 gr finishing the t and M-300 onl 7,692 n situ Cement RCC M-250 gr f sufficient mi	7,692 Concrete of table Beam/Brainimum thickness of Land	ndings / Vertices with CM 1 , A.C. C., Amb 8,119 rap/granite/qaces/Lintels ness if special	tical Walls / W 3 of sufficien uja, Birla Golo 7,703 uartzite/ gne cluding norm finish is to be	aist Slabs / S t minimum t d, Manikgad, 8,083 iss metal of a al dewatering provided an	teps for Stairca hickness if spe	ase including cial finish is to cement is possible. 3,69,457 Ity for RCC woollywood form complete. (By	a,69,457 ark as per det work, ully/stweigh batchi	tering, center l and curing, e cluding M.S, c 3,89,967 ailed drawing eel prop-ups,	ing, 'plywood etc. complete or Tor einford 3,69,986 s and designs compaction,	I formwork, u. (By weigh basement) 3,88,238 or as directe finishing the	3,70,562 d by formed
	48.03 Providing a ngineer-in-c surfaces wi	Cum nd casting in charge For th CM 1:3 o	RCC M-250 gr finishing the t and M-300 onl 7,692 n situ Cement RCC M-250 gr f sufficient mi	7,692 Concrete of table Beam/Brainimum thickness of Land	ndings / Vertices with CM 1 , A.C. C., Amb 8,119 rap/granite/qaces/Lintels ness if special	tical Walls / W 3 of sufficien uja, Birla Golo 7,703 uartzite/ gne cluding norm finish is to be	aist Slabs / S t minimum t d, Manikgad, 8,083 iss metal of a al dewatering provided an	teps for Stairci hickness if spe Rajashree, etc 7,715 approved quali g, centering, 'p d curing, etc. c	ase including cial finish is to cement is possible. 3,69,457 Ity for RCC woollywood form complete. (By	a,69,457 ark as per det work, ully/stweigh batchi	tering, center l and curing, e cluding M.S, c 3,89,967 ailed drawing eel prop-ups,	ing, 'plywood etc. complete or Tor einford 3,69,986 s and designs compaction,	I formwork, u. (By weigh basement) 3,88,238 or as directe finishing the	ally/steel atching and 3,70,562 d by formed
	48.03 Providing a ngineer-in-surfaces wir of L&T, A.C. 10.64 Providing S	Cum nd casting in charge For th CM 1:3 o . C., Ambuja cum	RCC M-250 gr finishing the f and M-300 onl 7,692 In situ Cement RCC M-250 gr f sufficient mi a, Birla Gold, N	7,692 Concrete of tade Beam/Brainimum thickn Anikgad, Raja	8,119 rap/granite/qaces/Lintels n ess if special ashree, etc. ce	7,703 quartzite/ gne cluding normafinish is to be ement is perm	aist Slabs / S t minimum t d, Manikgad, 8,083 iss metal of a al dewatering provided an nitted) (exclu 7,491	teps for Stairce hickness if spe Rajashree, etc 7,715 approved quali g, centering, 'p d curing, etc. of ding M.S, or To 7,173 mortar 1:6 inc	3,69,457 ty for RCC woolywood form complete. (By or einforcem	3,69,457 ork as per det work, ully/stweigh batchient)	tering, center and curing, ecluding M.S, comments of the second state of the second st	3,69,986 s and designs compaction, esign for M-2!	(By weigh basement) 3,88,238 or as directe finishing the 50 and M-300	3,70,562 d by formed 0 only. Use

				Ra	ite					Co	ost			
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
9	_	els pardis, c	opings, fins, a					R.C.C. pile cap dules. includir					•	
	10.91	M.T.	57,884	57,884	63,211	60,299	63,216	59,542	6,31,800	6,31,800	6,89,944	6,58,160	6,89,999	6,49,897
10	_				_			ery / slotted p						
10.1	40 mm Pabbles													
	41.18	Cum	1,493	1,493	1,366	1,583	1,215	1,499	61,479	61,479	56,249	65,185	50,031	61,726
10.2	12 to 20 mm Pabbles													
	26.2	Cum	1,807	1,807	1,653	1,826	1,467	1,801	47,304	47,304	43,272	47,801	38,403	47,147
10.3	Fine Sand													
	25.0	Cum	1,000	1,000	1,700	1,242	1,575	1,000	24,972	24,972	42,452	31,015	39,331	24,972
11	•		ent plaster 12 DSR(Bd.L.2 Pa		ngle coat in c	ement morta	r 1:3 without	neeru finish t	o concrete or	brick surface	es, in all positi	on including	scaffolding ar	d curing
	250	sq.m	243	243	243	243	243	243	60,867	60,867	60,867	60,867	60,867	60,867
	Providing a	nd laying ce	ment concret	e manhole co	ver (300 mm	X 300 mm)		T.						
12	4	nos	1,000	1,000	1,000	1,000	1,000	1,000	4,000	4,000	4,000	4,000	4,000	4,000
4.0	Preparation	of good so	il and manure	and throghly	mixed, levele	eing, watering	and planting	g well develop	ed canna bed	of 1.5' heigh	t and maintai	ning till well e	established et	c complete.
13	560	Nos	62.4	62.4	62.4	62.4	62.4	62.4	34,944	34,944	34,944	34,944	34,944	34,944

		Unit			Ra	ite					Co	st	Cost						
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad					
14	2900 RPM w	vith CI impe 415 V ± 10%	eller, priming f %, 3 Ph, 50 Hz	unnel, cock, s A.C. Supply. I	suitable flange Motor shall be	es at suction a e TEFC type. P	and delivery s ump set sha	cting and giving side. Pump sha Il be suitable fo foundation blo	all have commor working at	on shaft for p	oump and mo	tor. Motor sh	nall be suitabl	le for					
	4	Nos	13,891	13,891	13,891	13,891	13,891	13,891	55,564	55,564	55,564	55,564	55,564	55,564					
15		_			_		-	380- 440 Volt, : . upto 7.5 HP (•	z with no volt	coil and over	r load elemen	nt with necess	sary					
	2	Nos	1,618	1,618	1,618	1,618	1,618	1,618	3,236	3,236	3,236	3,236	3,236	3,236					
16	3 core PVC i sheathed.	nsulated, P	VC sheathed o	copper condu	ctor flat subm	ersible cable.	. Supplying a	nd erecting, Fl	at flexible sub	omersible cab	le with, Copp	er Conductor	, PVC insulat	ed, and PVC					
	100	rmt	276	276	276	276	276	276	27,600	27,600	27,600	27,600	27,600	27,600					
17.1	specification	n no. 4985 / al stores ar	/ 1988 excludind stacking the	ng GST levied e same in clos	by GOI and G	OM in all resp	pect, includii	e for potable wing transportation of the contractions of the contractions in the contractions of the contr	ion, freight ch	arges, inspec	tion charges,	loading, unlo	ading, conve	yance to the					
														Iffit type to					
	100	Rmt	99	99	99	110	99	99	9,900	9,900	9,900	11,000	9,900	lffit type to					
17.2	Lowering, la	Rmt lying and jo	99	99 V.C. pipes and	specials of fo	ollowing class	and diamete	99 er including cos solvent joint /	st of conveya	nce from stor				9,900					
17.2	Lowering, la	Rmt lying and jo	99	99 V.C. pipes and	specials of fo	ollowing class	and diamete	er including cos	st of conveya	nce from stor				9,900					
17.2	Lowering, la material, ex 100 Water Supp	Rmt lying and jo cept cemer Rmt oly and Sani including o	99 inting with P.\(\text{nt solvent, rub} \) 28 itary Fitting 42 f delivery up t	99 V.C. pipes and ber ring, as p 28	I specials of fo er IS code, etc 28	ollowing class c. complete (w 28	and diamete vith cement 28 ainer Syntex	er including cossolvent joint /	st of conveyar ring fit joint). 2,800 lece moulded	nce from store - 90 mm OD 2,800 water tank m	es to site of w 2,800 ade out of lo	vorks includin 2,800 w density pol	g cost of all l	9,900 abour, 2,800					
	Lowering, la material, ex 100 Water Supp corrugation	Rmt lying and jo cept cemer Rmt oly and Sani including o	99 inting with P.\(\text{nt solvent, rub} \) 28 itary Fitting 42 f delivery up t	99 V.C. pipes and ber ring, as p 28	I specials of fo er IS code, etc 28	ollowing class c. complete (w 28	and diamete vith cement 28 ainer Syntex	er including cossolvent joint / 28 or alike one pi	st of conveyar ring fit joint). 2,800 lece moulded	nce from store - 90 mm OD 2,800 water tank m	es to site of w 2,800 ade out of lo	vorks includin 2,800 w density pol	g cost of all l	9,900 abour, 2,800					

					Ra	te					Co	st		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab
			Aimavati	Magpai	KOTIKUTI	Nusink	rune	ad	Amavaci	Magpai	Konkun	Nusiiik	rune	ad
	generating of	chlorine for	m common sa	It by electroly	sis using elec	trodes in form	m of sodium h	nypo chlorite :	solution conta	aining 6-8 gm	s/lit of availab	ole chlorine in	batch or con	tinuous
	process and	capable of	providing 8 h	rs storage of I	hypochlorite i	n case of pow	ver							
	failure.													
		Nos	192394	192394	192394	192394	192394	192394						
	1	INOS	192394	192394	192394	192394	192394	192394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394
						Total cost fo	or setting up1	L5 KLD FSTP	21,61,964	21,61,964	22,95,571	21,99,021	22,69,533	21,90,253
	Royalty													
20														
	158	cum	141.34	141.34	141.34	141.34	141.34	141.34	22,288	22,288	22,288	22,288	22,288	22,288

A. Measurement Sheet - 20 KLD

1. SDB

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At Sludge drying bed						
	Excavation for RCC wall	1	91.20	0.80	1.50	109.44	
	Leachate collection tank @ SDB	4	0.50	0.50	0.50	0.50	
					TOTAL	109.94	cum
2	Backfilling		109.94	-22.46		87.48	cum
	SDB bed	4	8.60	5.70	0.20	39.22	
					TOTAL	126.69	cum
3	Providing soling using 80 mm						
	For Foundation	1	91.20	0.50	0.15	6.84	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	0.15	0.15	
					TOTAL	6.99	cum
4	PCC M-10						
-	Below Foundation	1	91.20	0.50	0.10	4.56	
		4	0.50	0.50	0.10	0.10	
	Leachate collection tank @ SDB - Small	4	0.50	0.50	TOTAL	4.66	cum
					TOTAL	4.00	cum
5	R.C.C. work in foundations M-25						
	RCC footing under wall	1	91.20	0.30	0.20	5.47	
	RCC slab of SDB	4	8.60	5.70	0.20	39.22	
	RCC slab of leachate tank @ SDB - Small	4	0.50	0.50	0.20	0.20	
					TOTAL	44.89	cum
6	R.C.C. M-25 Wall						
	RCC wall of SDB - BGL	1	46.60	0.20	0.60	5.59	
	RCC Wall of SDB- BGL	1	43.30	0.20	0.60	5.20	
	RCC wall of SDB - AGL	1	46.60	0.20	1.30	12.12	
	RCC wall of SDB - AGL	1	43.30	0.20	1.30	11.26	
	Wall of leachate tank	1	8.40	0.20	1.20	2.02	
					TOTAL	36.18	cum
7	RCC M - 25 BEAM						
		1	16 60	0.30	0.45	6 20	
	B-1 Beam		46.60	0.30	0.45	6.29	
	B-2 Beam	1	43.30	0.30	0.45	5.85	
						12.14	

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
8	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	44.89	100.00		4488.80	
	For Wall @100kg/Cum	1	36.18	100.00		3617.80	
	For Beam @ 100 kg/cum	1	12.14	100.00		1213.65	
						9320.25	kg
					TOTAL	9.320	M.T.
9	Providing and filling sand (Coarse Sand and Gravel)						
	At Sludge drying bed						
	Large gravel (dia.=5 cm)	4	8.60	5.70	0.20	39.22	
	Medium gravel (dia.=2 cm)	4	8.60	5.70	0.10	19.61	
	Sand	4	8.60	5.70	0.10	19.61	
					TOTAL	78.43	cum
10	Internal plastering - 12 mm thick						
	At SDB						
	SDB Walls	4	28.60		1.30	148.72	
	Wall at Leachate Collection Tank	4	2.00		1.20	9.60	
					TOTAL	158.32	Sq.m
11	Royalty						
	Item No. 3 Providing soling using 80 mm					6.99	
	Item No. 4 PCC M-10 (For Sand Only)		0.45	4.66		2.10	
	Item No. 5 R.C.C. work in foundations M-20		0.425	44.89		19.08	
	Item No. 6 R.C.C. M-20 wall		0.425	36.18		15.38	
	Item No.8 Poviding & Filling sand (Coarse Sand & gravel)					78.43	
					TOTAL	121.97	cum

2. ABR

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation	1	11.95	3.70	1.45	64.11	cum
2	Backfilling	-1	10.75	2.80	1.45	-43.65	
					TOTAL	20.47	cum
3	Providing soling using 80 mm	1	11.75	3.50	0.15	6.17	cum
4	PCC M-10	1	11.75	3.50	0.10	4.11	cum

5	R.C.C. work in foundations M-25	1	11.35	3.10	0.20	7.04	cum
6	R.C.C. M-25 Wall						
а	R.C.C. M-20 for Walls	1	34.45	0.15	1.20	6.20	
b	R.C.C. M-20 Slab for top slab	1	10.30	2.80	0.10	2.88	
					TOTAL	9.09	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	7.04	100.00		703.70	
	For Wall @100kg/Cum	1	9.09	100.00		908.50	
						1612.20	kg
					TOTAL	1.612	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)	1	7.50	2.50	0.15	2.81	
		1	7.50	2.50	0.15	2.81	
		1	5.40	1.80	0.10	0.97	
					TOTAL	6.60	Cum
9	Plaster 12 mm (ABR Internal Walls)	4	10.00		1.20	48.00	sqmt
10	Cement concrete cover	4				4.00	Nos.
11	Royalty						
	Item No. 4 Providing soling using 80 mm					6.17	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	4.11		1.85	
	Item No. 6 R.C.C. work in foundations M-25		0.425	7.04		2.99	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	9.09		3.86	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					2.81	
					TOTAL	17.68	cum

3. PGF

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
1	Excavation for foundation						
	At planted gravel filter	1	10.70	6.70	1.35	96.78	
2	Backfilling @ 15% of Excavation	-1	10.10	6.10	1.35	-83.17	Cum
					TOTAL	13.61	

3	Providing soling using 80 mm				Height	Qty	Unit
	PGF	1	10.50	6.50	0.15	10.24	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	11.18	Cum
4	PCC M-10						
	PGF	1	10.50	6.50	0.10	6.83	
	For treated water tank	1	2.50	2.50	0.15	0.94	
					TOTAL	7.76	cum
5	R.C.C. work in foundations M-25						
	PGF	1	10.10	6.10	0.20	12.32	
					TOTAL	12.32	Cum
6	R.C.C. M-25 Wall						
-	PGF	1	47.05	0.15	1.20	8.47	
	rui		47.03	0.13	TOTAL	8.47	cum
6.1	Brick Wall						
	PGF Inlet & Outlet chamber Walls	2	9.20	0.23	0.70	2.96	
					TOTAL	2.96	cum
7	Providing and fixing in position TMT / HYSD steel bars reinforcement						
	For Foundation @100kg/Cum	1	12.32	100.00		1232.20	
	For Wall @100kg/Cum	1	8.47	100.00		846.90	
	For wait @100kg/cuiii	1	0.47	100.00		2079.10	kg
					TOTAL	2.08	M.T.
8	Providing and filling sand (Coarse Sand and Gravel)						
	At PGF						
	Large gravel (dia.=5 cm)	2	8.70	4.60	0.15	12.01	Cum
	Medium gravel (dia.=2 cm)	2	8.70	4.60	0.15	12.01	Cum
	Sand	2	8.70	4.60	0.15	12.01	Cum
					TOTAL	36.02	Cum
9	Plastering 12 mm (PGF)						
	PGF Walls	2	27.60		1.00	55.20	
	PGF - Inlet & Outlet Chamber wall	2	18.40		0.70	25.76	
					TOTAL	80.96	Sq.m
10	Plantation	2.0	8.200	4.60	10.00	760	Nos

Item No.	Description	No.	Length	Breadth	Depth/ Height	Qty	Unit
11	Treated water tank	1			TOTAL	3000	liters
12	Royalty						
	Item No. 4 Providing soling using 80 mm					11.18	
	Item No. 5 PCC M-10 (For Sand Only)		0.45	7.76		3.49	
	Item No. 6 R.C.C. work in foundations M-25		0.425	12.32		5.24	
	Item No. 7 R.C.C. M-25 wall & Top Slab		0.425	8.47		3.60	
	Item No. 8 Sand (Coarse Sand & Gravel Media)					36.02	
					TOTAL	59.52	cum

4. Consolidated MS

Item	Description	Qty	Unit
No.			
1	Excavation for foundation	270.83	Cum
2	Backfilling	160.77	Cum
3	Providing soling using 80 mm	24.33	Cum
4	PCC M-10	16.54	cum
5	R.C.C. work in foundations M-25	64.25	Cum
6	R.C.C. M-25 Wall	54.92	cum
7	R.C.C. M-25 Beam	12.14	cum
8	Brick Wall	2.96	cum
9	Providing and fixing in position TMT / HYSD steel bars reinforcement	13.130	M.T.
10	Providing and filling sand (Coarse Sand and Gravel)		
10.1	Large gravel (dia.=5 cm)	54.03	Cum
10.2	Medium gravel (dia.=2 cm)	34.43	Cum
10.3	Sand	32.59	Cum
		121.05	Cum
11	Internal Plastering - 12 mm thick	285.28	Sq.m
12	Cement concrete cover	4.00	Nos.
13	Plantation	760.00	Nos
14	2.0 HP capacity of pump Centrifugal Monoblock Pump set (Single Stage)	4	Nos
15	DOL starter upto 7.5 HP Capacity	2	Nos
16	3 Core 10 mm PVC insulated, PVC Seathed, Copper Conductor wires	100	rmt
17	uPVC pipe - 63 mm dia	100	rmt
18	Treated water tank	3000	liters
19	Royalty	199.68	cum
20	Chlorination 25 gm/hr system	1.00	Nos

B. Abstract Sheet - 20 KLD

					Ra	te					Co	ost		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
1.1	Excavation for stacking and s (Lift upto 1.5r	preading	as directed, d	ewatering, pr						•		•	-	
1.1	270.83	Cum	140	140	146	146	145	140	37,917	37,917	39,542	39,542	39,271	37,917
1.2	Excavation for Engineer-inch										fts as below, s	stacking and s	preading as o	lirected by
	-	Cum	157	157	170	165	165	157	-	-	-	-	-	-
1.3	Excavation for below, stacking							-	-		•	•		
	-	Cum	175	175	192	185	185	176	-	-	-	-	-	-
	Filling in plint	n and floo	rs / trenches	with contract	or's murum fo	or bedding in	15cm to 20cr	n layers includ	ding watering I	and compact	tion royalty cl	narges etc.cor	mplete.	1
2.1	160.77	Cum	701	701	778	685	760	746	1,12,697	1,12,697	1,25,077	1,10,125	1,22,183	1,19,932
	Refilling the t surcharging, e		vith available ete.	excavated stu	ıff with soft m	naterial first o	ver pipeline a	and then hard	l material in 1	5 cm layers w	ith all leads a	nd lifts includ	ling consolida	tion,
2.2	-	Cum	72	72	73	70	73	73	-	-	-	-	-	-
	Providing dry	trap / gra	nite / quartzit	e / gneiss, ru	bble stone so	ling in 15cm t	o 20 cm thick	layers (includ	ding hand pac	king and com	pacting), etc.	complete.	T	1
3	24.33	cum	993	993	1,143	1,009	1,029	1,009	24,163	24,163	27,813	24,553	25,039	24,553
	Providing and compaction a		_	-							bedding inclu	uding normal	dewatering, f	orm work,
4	16.54	Cum	4,262	4,262	4,691	4,301	4,652	4,323	70,472	70,472	77,566	71,117	76,921	71,481
5	Providing and steel stanchio 250 and M-30	ns includi	ng normal dev	watering, 'ply	wood form w	ork, bully/ste	el propups, c	ompaction, fi	nishing and cu	ıring, etc, cor	nplete. (By w	eigh batching		
	64.25	Cum	6,024	6,024	6,445	6,001	6,367	6,047	3,87,024	3,87,024	4,14,072	3,85,546	4,09,061	3,88,502
6	Providing and ngineer-in-cha													

					Ra	te					Co	st		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
	prop-ups, con	•	_					•		•		•		atching and
	mix design for	r M-250 aı	nd M-300 onl	y. Use of L&T,	A.C. C., Ambi	uja, Birla Golo	l, Manikgad,	Rajashree, etc	. cement is pe	ermitted) (exc	luding M.S, o	r Tor einford	ement)	
	54.92	Cum	7,692	7,692	8,119	7,703	8,083	7,715	4,22,411	4,22,411	4,45,860	4,23,015	4,43,883	4,23,674
7	Providing and ngineer-in-chasurfaces with of L&T, A.C. C	arge For F CM 1:3 of	RCC M-250 gra sufficient mi	ade Beam/Bra nimum thickn	aces/Lintels no ess if special t	cluding normations finish is to be	al dewatering provided and	g, centering, 'p d curing, etc. o	olywood form complete. (By	work, ully/sto weigh batchi	eel prop-ups,	compaction,	finishing the	formed
	12.14	cum	7,128	7,128	7,552	7,123	7,491	7,173	86,509	86,509	91,655	86,448	90,915	87,055
8	Providing Second pillars of curve								luding scaffol	ding, racking	out joints poi	nting in C.M	1:3 and wate	ring etc. in
	2.96	cum	5,820	5,820	5,820	5,820	5,820	5,820	17,241	17,241	17,241	17,241	17,241	17,241
9	Providing and chajjas, lintels supporting as	pardis, co	opings, fins, a											
9	13.13	M.T.	57,884	57,884	63,211	60,299	63,216	59,542	7,60,012	7,60,012	8,29,955	7,91,721	8,30,021	7,81,781
10	Providing, low transportation		-		_									
10.1	40 mm Pabbles													
	54.03	Cum	1,493	1,493	1,366	1,583	1,215	1,499	80,674	80,674	73,811	85,537	65,652	80,998
10.2	12 to 20 mm Pabbles													
	34.4	Cum	1,807	1,807	1,653	1,826	1,467	1,801	62,209	62,209	56,907	62,863	50,504	62,002
10.3	Fine Sand													
	32.6	Cum	1,000	1,000	1,700	1,242	1,575	1,000	32,586	32,586	55,396	40,472	51,323	32,586
11	Providing inte etc. complete		•		ngle coat in c	ement morta	r 1:3 without	neeru finish t	o concrete or	brick surface	s, in all positi	on including	scaffolding ar	nd curing
		sq.m												

					Ra	te					Co	st		
Sr. no.	Qty	Unit	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
	285		243	243	243	243	243	243	69,323	69,323	69,323	69,323	69,323	69,323
ļ	Providing and	laying ce	ment concrete	e manhole co	ver (300 mm	X 300 mm)		1					T	T
12	4	nos	1,000	1,000	1,000	1,000	1,000	1,000	4,000	4,000	4,000	4,000	4,000	4,000
	Preparation o	f good soi	l and manure	and throghly	mixed, levele	ing, watering	and planting	well develop	ed canna bed	of 1.5' height	and maintair	ning till well e	stablished et	c complete.
13	760	Nos	62.4	62.4	62.4	62.4	62.4	62.4	47,424	47,424	47,424	47,424	47,424	47,424
14	2.0 HP capaci 2900 RPM wit working on 42 erected on Pr	th CI impe 15 V ± 10%	ller, priming f 6, 3 Ph, 50 Hz	unnel, cock, s A.C. Supply. I	uitable flange Motor shall be	es at suction a e TEFC type. P	ind delivery s ump set shal	ide. Pump sha I be suitable fo	all have commor working at	on shaft for p	oump and mo	tor. Motor sh	all be suitable	e for
	4	Nos	13,891	13,891	13,891	13,891	13,891	13,891	55,564	55,564	55,564	55,564	55,564	55,564
15	Supplying and material and	_			-		_		•	z with no volt	coil and over	load elemen	t with necess	ary
	2	Nos	1,618	1,618	1,618	1,618	1,618	1,618	3,236	3,236	3,236	3,236	3,236	3,236
16	3 core PVC instance sheathed.	sulated, P	VC sheathed o	copper condu	ctor flat subm	nersible cable	. Supplying a	nd erecting, Fl	at flexible sub	mersible cab	le with, Copp	er Conductor	, PVC insulate	d, and PVC
10														
	100	rmt	276	276	276	276	276	276	27,600	27,600	27,600	27,600	27,600	27,600
17.1	100 Providing and specification idepartmental be jointed with	supplying no. 4985 / stores an	in standard I 1988 excludi d stacking the	engths ISI ma ng GST levied e same in clos	rk rigid unpla by GOI and G	sticised PVC p GOM in all res	oipes suitable pect, includir	for potable w g transportat	vater with solvion, freight ch	vent cement j arges, inspec	oints includin tion charges,	g cost of cou loading, unlo	plers, as per la ading, convey	S vance to the
17.1	Providing and specification in departmental	supplying no. 4985 / stores an	in standard I 1988 excludi d stacking the	engths ISI ma ng GST levied e same in clos	rk rigid unpla by GOI and G	sticised PVC p GOM in all res	oipes suitable pect, includir	for potable w g transportat	vater with solvion, freight ch	vent cement j arges, inspec	oints includin tion charges,	g cost of cou loading, unlo	plers, as per la ading, convey	S vance to the
	Providing and specification idepartmental be jointed with	supplying no. 4985 / stores an th cement Rmt	in standard I 1988 excludi d stacking the solvent) 90 99 nting with P.V	engths ISI mang GST levied es same in closed mm OD 99	rk rigid unpla by GOI and G ed shed duly 99 I specials of fo	sticised PVC p GOM in all res protected fro 110 bllowing class	pipes suitable pect, includir m sun rays a 99 and diamete	for potable w g transportati nd rains includ 99	vater with solvion, freight children ding cost of joing solving solving states with the solving states with the solving solvin	yent cement j arges, inspec inting materia 9,900 nce from store	oints includin tion charges, al i.e. solvent 9,900	g cost of couloading, unlocement, etc.	plers, as per la ading, convey complete (sel	yance to the ffit type to
17.1	Providing and specification idepartmental be jointed with 100 Lowering, layi	supplying no. 4985 / stores an th cement Rmt	in standard I 1988 excludi d stacking the solvent) 90 99 nting with P.V	engths ISI mang GST levied es same in closed mm OD 99	rk rigid unpla by GOI and G ed shed duly 99 I specials of fo	sticised PVC p GOM in all res protected fro 110 bllowing class	pipes suitable pect, includir m sun rays a 99 and diamete	for potable w g transportati nd rains includ 99	vater with solvion, freight children ding cost of joing solving solving states with the solving states with the solving solvin	yent cement j arges, inspec inting materia 9,900 nce from store	oints includin tion charges, al i.e. solvent 9,900	g cost of couloading, unlocement, etc.	plers, as per la ading, convey complete (sel	yance to the ffit type to
	Providing and specification is departmental be jointed with 100 Lowering, laying material, excellent	supplying no. 4985 / stores an ch cement Rmt ing and joi ept cemen Rmt / and Sani ncluding o	g in standard I 1988 excludi d stacking the solvent) 90 99 Inting with P.N t solvent, rub 28 tary Fitting 42 f delivery up t	engths ISI mang GST levied esame in close mm OD 99 V.C. pipes and ber ring, as possible 28	rk rigid unpla by GOI and G ed shed duly 99 I specials of for er IS code, etc 28 iding and fixir	sticised PVC p GOM in all res protected fro 110 Dillowing class c. complete (v 28	oipes suitable pect, includir m sun rays a 99 and diamete with cement s 28 ainer Syntex	for potable w g transportati nd rains includ 99 r including cost solvent joint / 28 or alike one pi	yater with solvion, freight chiling cost of joi 9,900 st of conveyar ring fit joint). 2,800 ece moulded	yent cement j arges, inspec inting materia 9,900 nce from stor - 90 mm OD 2,800 water tank m	oints includin tion charges, at i.e. solvent 9,900 es to site of w 2,800 hade out of lo	g cost of couloading, unlo cement, etc. 11,000 rorks includin 2,800 w density pol	plers, as per la ading, convey complete (sel 9,900 g cost of all la 2,800 ythyler and b	yance to the ffit type to 9,900 bour, 2,800 uilt
17.2	Providing and specification is departmental be jointed with 100 Lowering, laying material, excess 100 Water Supply corrugation in	supplying no. 4985 / stores an ch cement Rmt ing and joi ept cemen Rmt / and Sani ncluding o	g in standard I 1988 excludi d stacking the solvent) 90 99 Inting with P.N t solvent, rub 28 tary Fitting 42 f delivery up t	engths ISI mang GST levied esame in close mm OD 99 V.C. pipes and ber ring, as possible 28	rk rigid unpla by GOI and G ed shed duly 99 I specials of for er IS code, etc 28 iding and fixir	sticised PVC p GOM in all res protected fro 110 Dillowing class c. complete (v 28	oipes suitable pect, includir m sun rays a 99 and diamete with cement s 28 ainer Syntex	for potable w g transportati nd rains includ 99 r including cost solvent joint / 28 or alike one pi	yater with solvion, freight chiling cost of joi 9,900 st of conveyar ring fit joint). 2,800 ece moulded	yent cement j arges, inspec inting materia 9,900 nce from stor - 90 mm OD 2,800 water tank m	oints includin tion charges, at i.e. solvent 9,900 es to site of w 2,800 hade out of lo	g cost of couloading, unlo cement, etc. 11,000 rorks includin 2,800 w density pol	plers, as per la ading, convey complete (sel 9,900 g cost of all la 2,800 ythyler and b	yance to the ffit type to 9,900 bour, 2,800 uilt

Sr. no.	Qty	Unit	Rate						Cost					
			Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad	Amravati	Nagpur	Konkan	Nashik	Pune	Aurangab ad
	generating ch process and c failure.				_			nypo chlorite	solution conta	aining 6-8 gm:	s/lit of availat	le chlorine in	batch or con	tinuous
	1	Nos	192394	192394	192394	192394	192394	192394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394	1,92,394
						Total cost	for setting up	_ KLD FSTP	25,39,156	25,39,156	27,00,136	25,84,520	26,67,253	25,72,962
20	Royalty	ı											1	
20	200	cum	141.34	141.34	141.34	141.34	141.34	141.34	28,223	28,223	28,223	28,223	28,223	28,223

शासन निर्णय, क्रमांक : क्र-स्वमअ-२०१९/प्र.क्र.१२४/निव ३४, दिनांक ८ नोव्हेंबर, २०१९ सोबतचे सहपत्र.

विवरणपत्र-3

UNDERTAKING

This is to certify that the name of the Project: Sludge drying beds Feacal sludge treatment plant (FSTP) at (Name of ULB) at ___Location of FSTP____

- 1. Title of the project land is clear and under the possession of the (Name of ULB)
- 2. The proposed site is safe from flooding and atleast 100 mt away from any natural water bodies. The ground water level at proposed site is atleast 10 mt below from ground level.
- 3. The ULB will be responsible to ensure quality control during the implementation of this project. The structural safety aspects of the various units proposed in the project will be ensured by ULB during the implementation. ULB will undertake third party monitoring for the construction of FSTP if as necessary.
- 4. The ULB will ensure levels during the implementation to ensure gravity flow of effluent as per the proposed hydraulic design.
- 5. The ULB ensure that all the units constructed under this project will be water tight. ULB will undertake leakage tests before commissioning of FSTP.
- 6. That necessary actions will be taken by the Urban Local Body for ensuring access to septic tank emptying vehicles to the site. ULB will lay down the procedure to allow private septic tank emptier to dispose septage at the proposed site.
- 7. The soling work will not be carried out and backfilling works to be done using excavated soil in case proposed site strata would be good soil/ hard rock.
- 8. The ULB will be responsible to provide all basic facilities including water supply facilities, electricity connection at site and other infrastructure at the site to be maintained by the ULB.
- 9. The project will be implemented within 45 days from the date of technical and administrative sanction from UDD, Government of Maharashtra.
- 10. Operation and Maintenance of the FSTP shall be done by ULB. ULB undertakes to ensure O&M of FSTP by allocating adequate human resources, equipment and financial allocation.
- 11. ULB shall implement robust record keeping system on the operation of the FSTP. It would include daily operating records, the operators log book, manifest reports (as per manifest forms issued by mission office, UDD, GoM from time to time), the treatment unit operating data sheet, and other records related to vacuum emptier for FS deliveries to the plant.
- 12. ULB shall undertake quality test results from time to time for influent and effluent of water streams.
- 13. Any escalation in the project cost would be borne by ULB.

Signature of the Chief Officer of
Name & Designation:
Address:
Fax No:
Telephone No. Mobile No:
E-mail: