

No. 414 /CC
H.P. Forest Department.

Dated Solan the 25/10/23

From:-

D.C.F. Solan

To:- C.F. Solan/HP.

Subject: -

Diversion of 4.7 ha. of forest land in favour of HPPWD for the construction of Kiari to Khinna road Kms. 0/0 to 7/820, within the jurisdiction of Solan Forest Division Distt. Solan, HP.

Memo

1 Kindly refer to your office letter No. FC-SOL-H001(59)/2/2022-Sale 151600/2022 dated 16.08.2022 on the subject cited above.

In this context, it is submitted that the observation raised by Govt. of India (MoEF&CC) on 10.08.2022 has been attended in respect of Solan Forest division as under:-

Sr. No.	Observation	Reply
1.	The Site Inspection Report and Joint Inspection Report revealed that violation has been carried out. Therefore in view of above, following clarification/Justification may be provided. iii. The action Taken Report against the violators as per Para 1.21 (i) and or (ii) of FCA Guidelines may submitted/ uploaded in the portal. iv. Action taken by the state Government against the officials concerned for not being able to prevent the use of forest land for non-forestry purpose without prior approval of Govt. of India.	The Revised Site Inspection Report and Joint Inspection Report has been attached and uploaded in portal. i. Forest department has imposed the Penalty amount of Violation in Shape of NPV & Penal CA. ii. This road has been constructed by local people before 1980 for their basic amenities agriculture, Education and health services.(copy attached).
2.	As per the DSS Analysis the proposal DA Area falls within the Chail WLS and its Eco Sensitive Zone as per the provision of 12.4 of the Handbook of the Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines and Clarification), 2019, the recommendation of the Standing Committee of National Board of Wildlife for use of forest land for non-forestry purpose is prerequisite Hence, State Government may kindly send the recommendation of the standing Committee of National Board of Wildlife	Dy. Conservator of Forests Wildlife Division Shimla has reported that the proposed road sites is 0.80 Km. away from the Shimla Water Catchment Wildlife Sanctuary. (copy attached).
3.	The Administrative approval document issued by competent Authority may be provided.	Copy of Administrative Approval has been attached and uploaded in Part-I Additional information.
4.	It has been observed in KML file that no alternative alignments have been explored. Therefore, the alternative may be explored to reduce the number of trees to be affected and forest area involved in the road. If required, KML file of all alternates explored may be revised and uploaded.	There is no need for alternative alignment after spot examination because the said road has already been constructed in violation.

P. T. e

5.	The beneficiary villages needs to be marked in KML as the information provided in Part-1, B2.3	The beneficiary villages has been marked on KML file and uploaded on Part-1
6.	As per the Joint Inspection Report the in an area of 1.85 ha. Road has been already construction and same patch will be used for widening of the road. Therefore State govt. may provide KML with the detailed ERow and Prow with Distinct Colour and the Layout plan with carriageway, Paved Shoulder, Earth Filling, Drain and Protection Work duly authenticated by the concerned DFO	The Road has been already constructed but road width is not as per Standard. The road is up gradation to 3.05mtr. is carriageways the detail of design standard of Road carriageway, Paved Shoulder, Earth Filling, Drain and Protection attached and uploaded on Part-I
7.	The State Govt. Showing length and width of broken area and un-broken area along with list of no. of trees proposed to be filled in this area. Also Justify the felling of trees in broken area, if any.	The undertaking of UA is attached and uploaded in the portal.
8.	According to the Muck Dumping Plan there were two designated sites has been chosen for dumping of muck. However the dumping sites were not marked KML file the same may be provided. Furthermore, if the dumping site is proposed in forest land the state Govt, may explore the possibility to shift this site to the non-forest area	The UA has given the undertaking that the dumping sites has been explored in non-forest area in khasra No. 429/405/9/1 at Mauza Shillai, Tehsil Kandaghat Distt. Solan. (copy uploaded/attached).
9.	If dumping site necessarily required to be proposed in forest land, the area of forest land involved in muck dumping shall be reduced Further separate enumeration list of trees for the dumping site may be provided	-do-
10.	The detail of the Muck Disposal sites as mentioned in the Muck Disposal Plan need to Provide under Part-1 B. 2.4 (Component wise breakup)	Muck Disposal Plan is attached and uploaded in online portal.
11.	Since diversion area falls in Chail WLS as per the direction of MoEFCC direction dated 06-01-2022 five time of NPV required to be submitted.	The Revised NPV Bill has been attached.
12.	The reclamation Plan of Muck Disposal Sites need to provided.	As above point No.8.
13.	The detail of component wise breakup and purpose wise breakup of proposal area showing Khasra no. wise forest area and non-forest area is required to be uploaded.	The Check List No. 6 & 7 has been uploaded/attached.
14.	The date of tree counting is not mentioned in the tree enumeration list the state Govt. may submit/upload the trees enumeration list mentioning the date of tree counting and duly authenticated by the concerned DFO	The correction has needful done.
15.	A brief note on the vulnerability of forest land diverted to erosion is not correctly filled in Online Portal- II. State Govt may provide details of the mitigation measures to be adopted to arrest the accelerated soil erosion landslide during/after execution of the project, If the area is vulnerable to erosion, then the Soil Moisture Conservation Plan (SMC), along with its cost of implementation as per MoEF&CC dated 07.06.2022, may be submitted	UA has given the undertaking as per guideline issued by MoEF&CC dated 07.06.2022.(copy uploaded/attached).

16.	Online Portal -II, Para-8 (1) Details of wildlife present in and around the forest land proposed for diversion has mentioned "WIZARD". The State Govt. may review and correct the same.	The correction has been done in appropriate column in online portal.
17.	Under Part-II, Para 8 (ii), Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc it is mentioned "No" by the concerned DFO. Since the proposed DA falls in the Chail WLS, which also can be verified by the DSS report, State Govt. may provide the impacts of the project on the species as well as on their natural habitat. Additionally, the State Govt. may submit the Wildlife Management Plan along with the details cost of its implementation as per the MoEF&CC letter vide File No. FC/11/43/2021-FC dated 07.06.2022.	UA has given the undertaking as per guideline issued by MoEF&CC dated 07.06.2022.(copy uploaded/attached). The cost of project is $78118000 \times 0.5\% = 390590/-$. The wildlife management plan alongwith detail, Rs. 390590 will be submitted separately.
18.	In Part II, column-14, the District profile and geographical area are incorrect. Needful may be done in this regard.	The geographical area of the District has been mentioned in appropriate column. (i.e. 1936 Sq. Km.)

This is for favour of kind information and necessary action at your end please.

Encl:- As above

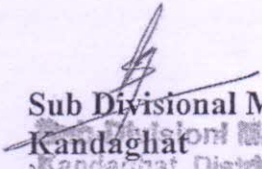

(Kunal Angrish)IFS
Dy. Conservator of Forests
Solan, Forest Division, Solan

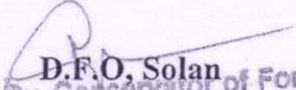
Joint inspection report for the site proposed for the safe disposal of debris coming out from the construction of Kiari-Khinna road km 0/0 to 7/820, held on 12-04-2023.

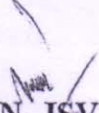
1. Whereas the Assistant Engineer PWD Sub-Division Kandaghat vide letter no. 1227-29, dated 17.03.2023 requested the SDM kandaghat to visit and inspect the site falling in khata/khatauni 58/101min, khasra no. 429/405/9 area measuring 13-13 bigha entered as Charand and in the ownership of state government as an allotable pool, situated in Mohal Shillai, P.C. Nihara, Tehsil Kandaghat. (The copy of jamabandi is attached as Annexure-I)
2. Whereas the Regional Officer Pollution Control Board Solan being the Member Secretary of the Inspection Committee (notified by the Deputy Commissioner Solan vide order dated 16.03.2023) intimated the members of the aforesaid committee and the joint inspection of the said site was carried out on 12.04.2023.
3. The joint inspection committee has made various observations which are as under:-
 - (i) The proposed site is a large chunk of land to the extent of 13-13 bigha and a considerable portion of the said land is hilly. However, a portion of the said land has a gentle slope which can be used for the aforesaid purpose. As such the aforesaid portion of the said government land falling inside the said khasra no. to the extent of 05-00 bigha has been selected for the said purpose and the said area has been depicted as khasra no. 429/405/9/1 and it has been shown in the tatima which has been attached as Annexure-II.
 - (ii) The said piece of land does not have any natural water source, river, canal, lake or any other water supply scheme.
 - (iii) There was no H.T. line over the aforesaid piece of land.
 - (iv) There is suitable space at the downstream of the proposed site for the construction of civil structure for the protection of the muck.
 - (v) The site is away from any school, residential area, hospital and court premises.
 - (vi) The said site has very few trees and saplings. (which shall be protected during dumping)
 - (vii) The proposed site of 05-00 bigha inside the khasra No. 429/405/9 is found sufficient and suitable for the safe disposal of muck for the tentative quantity of 97,370 m³.

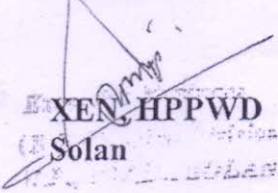
Point No-1

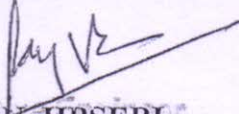
Keeping in view the above and in compliance with Hon'ble N.G.T in O.A no. 603 of 2019, and in view of proposal submitted by the H.P.P.W.D, it is hereby recommended to establish a Safe Disposal Site for debris due to construction of Kiari-Khinna road of 0/0 to 7/820 length at 4/500 in khasra no. 429/405/9/1, Mauja Shillai measuring 05-00 bigha with the condition that H.P.P.W.D will carry out the activity of construction of road, transportation and dumping as per the C&D rules, 2016 and will provide regular sprinkling to suppress the dust and will also provide the green cover to restrict the cross flow fugitive emission to comply with air quality of the area. The H.P.P.W.D will also prepare and provide the Muck Management Plan along with detail of protection measure and drawings. Further after the closer of activity H.P.P.W.D should carry out rehabilitation measures and provide the green cover over the top layer and P.W.D shall fulfill all other requirements as per the relevant law and rules/instructions accordingly.

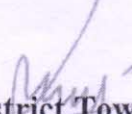

Sub Divisional Magistrate,
Kandaghat
Kandaghat, District Solan (H.P.)

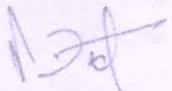

Dy. Conservator of Forest,
Solan Forest Division

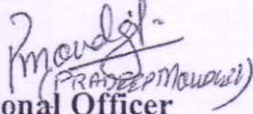

XEN, JSV Solan
Jal Shakti Division Solan

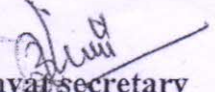

XEN, HPPWD
Solan


XEN, HPSEBL
Solan
Elect. Div. HPSEB Ltd.,
Gopoon, Solan (HP)


District Town Planner
Town & Country Planner
Solan
Divisional Town Planning Office
SOLAN (H.P.)


Assistant Geologist
District Mining Officer
-cum- Mining Officer, Solan
Solan (H.P.)


Regional Officer
HPSPCB Parwanoo


Panchayat Secretary
GP Banjani

ग्राम पंचायत बंजनी
बिरोवर कण्डाघाट (हि.)

एस.सी.ए रसीद संख्या: 3074140228072655

राजस्व विभाग, हिमाचल प्रदेश - नकल जमाबंदी

जिला : सोलन

तहसील : कण्डाघाट

कानूनगोवृत : साधू पूल

पटतार वृत : निहारा

हदबस्त नं. : 460

नकल शुल्क : 1.00

सेवा शुल्क : 20

कुल शुल्क : 21

नाम : xxx

पिता/पति : xxxxx

मोहल : शिलाई

साल : 2017-2018

रकबा ईकाई: बीघा-बिस्वा

खेवट नं.	खेती नं.	नाम मालिक व एहवाल	नाम काश्तकार व एहवाल	नाम चाह व दीगर वसायल आबपाशी	नम्बर खसरा हाल	रकबा हर खेत व मिजान खाता मय किस्म अराजी	हिस्सा या पैमाना	कैफियत
1	2	3	4	5	6	7	8	9
58 मिन	101	प्रदेश सरकार	मकबुजा मालिक वराये अलाटेवल पुल		429/405/9 मि	13-13	बज्जा व पट्ठा	तबदील गलकियत
55	98				432/38 मि	चरान्द	बशरह खेवट नं. (1)	479 तबदील गलकियत
बशरहा					439/42/222	04-08		481 तबदील गलकियत
खेवट नं. (1)						08-16		नोट: बरक ई.न. 4/19 ए.ए.ए.ए.
						चरान्द		मालकियत इजारा खेत रज्जा री न.
								ख. 431/38 खेत 4 व 4 कोय वहेक
								तुलगा पुप गली क. अ. अ.
								मिजान री गली है।
						26-17		नोट: बरक ई.न. 481 खेत रज्जा
					3	किता		
					सालम	1		दुआल खेत ह.न. से न.ख. 431/
					मिन	2		38 खेत 4 व 4 कोय गली अलाटेव
					बटा	3		तुलगा पुप गली क. अ. अ.
						अकृष्ट		सि.हि. रिवा री. ग. ग. ग. ग. ग.
						चरान्द		बशरह खेत 4 व 4 कोय गली क.
						26-17		नाम समझा गली री गली है।
								नोट: खेत नं. 135 खेत 4-12
								2019 दुआल खेत रज्जा से खेत
								न. ख. रिवा री. ग. ग. ग. ग. ग.
								90 व 50
								किता/मिन से खेत रज्जा री. ग.
								मालिक कादर गली री गली है।

VLE

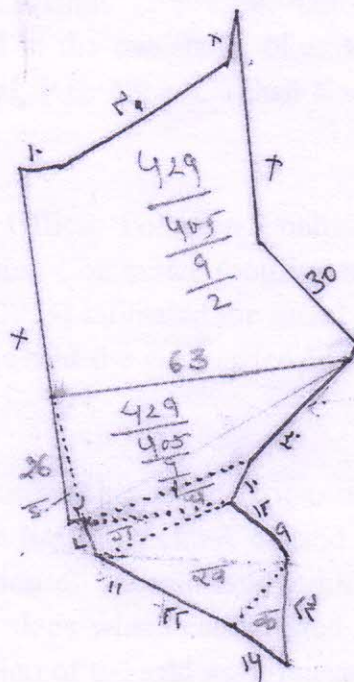
ANITA SHARMA

महाराष्ट्र सरकार
मुंबई महानगरपालिका
नं. ५६० तं. राज्याट मिला
सोलन दि-७

पैमाना बहिस्ताव
५० रुमि प्रति ५

1. $K_s = 57.157 \text{ दि}$

शामिल ह्पुस्त ई-न-366



न० रवसदा
सावका
५२९ म
५०५
९

इस्तरकराज रनवा

न. खलत

घल	इस्तयतल	रकष
<u> </u>	<u> </u>	<u> </u>

429

<u>405</u>
9

65(24+8)

<u> </u>	= 1048
2	

(क) $\frac{23 \times 11}{2} = 126$

$$(ख) \frac{40(12+14)}{2} = 520$$

21) $\frac{32 \times 7}{2} = 112$

(4) $\frac{38 \times 8}{2} = 152$

$$5. \quad \begin{array}{r} 2 \\ 26 \times 4 \\ \hline 2 \end{array} \quad \begin{array}{r} = 52 \\ \hline 2502 \end{array}$$

S-00 की जा
चरोद

नोट :- नवल मुताबिक असल के व
ततीमा मुताबिक मोका के सही है।
आदेशानुसार प्रीमान उपमण्डलाधिकारी (आ)
कान्हापार तैयार किया गया। बिला
उदरत बकार सरकार

19/4/23
 19/4/23

12/04/23

$$\begin{array}{r} 429 \\ \underline{405} \\ 24 \end{array}$$

8-13 वीका
असंद

UNDERTAKING REGARDING POINT NO -1

It is certified that Kiari to Khinna Road is old time thorough-fare (which is not paved) constructed by local people before 1980 (as per letter dated 01/09/2023 from **Pradhan, Gram Panchayat, Banjani**, Kandaghat, District Solan, letter attached) for their basic amenities agriculture, education, health and for foot commute to nearby towns of Chail, Tehsil Kandaghat, Distt Solan (HP).

Dy. Conservator of Forest
Solan Forest Division

Executive Engineer
HP PWD, Solan (HP)
H.P. P.W.D. Solan



कार्यालय ग्राम पंचायत बांजनी

वि०ख० कण्डाघाट, डा. चायल, त. कण्डाघाट, जि. सोलन (हि.प्र.)

क्रमांक ५१०५

दिनांक 25/08/2023

सेवा में,

सम्माननीय
सहामन् अभियन्ता
कण्डाघाट जिला सोलन

विषय: कचारी से खिन्ना सड़क निर्माण करवाने वाले
प्रलोक्य न।
मित्रेदन के साथ अवगत करना चाहता हूँ कि ग्राम
पंचायत बांजनी के अन्तर्गत कचारी से खिन्ना सड़क/रास्ते
का निर्माण सन् 1980 से पहले से ग्रामवासीयों द्वारा बनाया
गया है जिसका प्रयोग यहाँ के ग्रामवासी निवासी अपनी
इज्जत के चक्रीपट्ट पसले व विभारी के समय इस
सड़क/रास्ते का प्रयोग करते का रहे है। इस सड़क/रास्ते
से लगभग 4 गांव व 4 उपगाँवों को लाभ मिलता है। इसलिए
मेरी आपसे विनम्र प्रार्थना है कि आप इस सड़क का निर्माण
करने कि कृपा करें। हम आपके सदैव आभारी रहेगे।

द्वयबाद सहित

Pardhan
Gram Panchayat Banjani
Dev. Block Kandaghat, Solan (H.P.)

Point-No 2

No. WLM-102/5380
H.P. Forest Department,

Dated Shimla, the 25/09/2023

From: Dy. Conservator of Forests,
Wildlife Division, Shimla.

To: The Executive Engineer,
B& R Division,
HP PWD Solan.

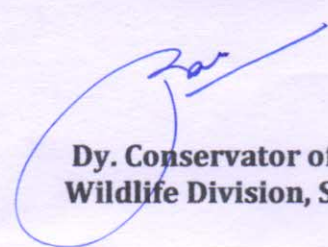
Subject: Distance certificate regarding diversion of 4.7 ha of forest land in favour of HPPWD for the construction Kiari to Khinna road Kms 0/00 to 7/820, within the jurisdiction of Solan Forest Division District Solan (H.P).

Sir,

Kindly refer to your office letter No. PW/SD/WA-II/Kiari to Khinna Road/7057 dated 21-08-2023 on the subject cited above.

2. In this context, as per report submitted by Range Forest Officer SWC, Dhalli the aerial distance of the above proposed site is **0.80 Km.** from Shimla Water Catchment Wildlife Sanctuary and falls within the Eco Sensitive Zone of Shimla Water Catchment Wildlife Sanctuary.

Note: This is only distance certificate and cannot be treated as NOC.


Dy. Conservator of Forests,
Wildlife Division, Shimla.

Endst. No. WLM/102/

Dated

Copy is forwarded to DFO Solan (T) for information and necessary action please.

Dy. Conservator of Forests,
Wildlife Division, Shimla.

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

Subject: CH. KABARD M.L.A. Priority (Vol. X) 2017-18

Engineer-In-Chief.

The Chief Engineer (Shimla Zone),
Nigam Vihar, Shimla-2.

The Chief Engineer (Mandi Zone),
HP.PWD., Mandi.

The Chief Engineer (Kangra Zone),
HP.PWD., Dharamshala.

The Chief Engineer (Hamirpur Zone),
HP.PWD., Hamirpur.

Hon'ble M.L.A. Priority Schemes for the year 2018- 19.

I have been directed to enclose a booklet for which Hon'ble

M.L.A. Priority Schemes for the year 2018-19 has been prioritized.

You are requested to take suitable action accordingly please.

Encl. - As above.
(Three Nos.)

Superintending Engineer (P&M),
HP.PWD. Nirman Bhawan,
Nigam Vihar, Shimla-171002.

Copy to the Superintending Engineers, 1st Circle Mandi, 2nd Circle Solan, 4th Circle Shimla, 5th Circle Palampur, 6th Circle Kullu, 7th Circle Dalhousie, 8th Circle Hamirpur, 9th Circle Nurpur, 10th Circle Bilaspur, 11th Circle Rampur, 12th Circle Nahan, 14th Circle Rohru, 15th Circle Una and Joginder Nagar Circle, Joginder Nagar along with booklet for which Hon'ble M.L.A. Priority Schemes for the year 2018-19 has been prioritized. You are requested to take necessary action in the matter please.

Encl. - As above.

Superintending Engineer (P&M),
HP.PWD. Nirman Bhawan,
Nigam Vihar, Shimla-171002.

सांख्यिक स्कीमें

वेता/ निर्वाचन क्षेत्र	स्कीम का नाम	बजट अनुमान 2018-19
	उत्थीकरण।	
नासागड	01 बघेरी-खातीवाला गरामोडा से लेकर NH-21 Road तक पक्का करना।	0.25
	02 हेरोवाल-चंदपुर-टोरावाला-छिडा-भगनपुर सड़क पर कनाहन नदी पर पुल निर्माण।	0.25
गोर्ना	01 L/R Groni to Sari-M/T from 00/6.500 km and C/F, C/D etc from 6.500/18 km.	0.25
	02 C/o L/R from Dhar to Jaliana via Dhaiyan, Androl and Arni in GP Bhojnagar.	0.25
मोलन	01 C/o Kiari Bino to Khinna road (Km 0/0 to 7/820).	0.25
	02 C/o Uperla Badyawla to Nichla Badyawla road, GP Kot Kadaur.	0.25
उगा		
गगरेट	01 गगरेट ओयल ईसपुर सड़क पर कलोह से शिववाडी, अम्बोटा, ढवाली NH-3 तक शिववाडी खड्ड पर पुल सहित सड़क का सुधार, चौड़ाई एवम् सुदृढ़ करना किलो मीटर 0/0 से 12/500 तक।	0.25
	02 लोहारली से चरुडू सड़क पर स्वां नदी पर पुल का निर्माण।	0.25
चित्तपुरणी	01 C/o bridge over Swan khad on Churruru to Loharli road.	0.25
	02 C/o road from Kharoh to Bhatehar, Behar upto Godhri Sidh.	0.25
जना	01 C/o new link road from Sasan village to Pekhubela.	0.25
	02 C/o new link road from Lalsinghi (via Baba Beli Ram) to Jhalera near Brick Kiln.	0.25
कुटलेहड	01 C/o & M/Link road from Dhamandari Bus Stand to Dhamandari Devi Mandir via Rajputan and Harizan Basti i/C 2 Nos. Bridges i.e. Bridge over Sanjhot Khad-II & Bridge over Barnoh Khad.	0.25
	02 M/T link road from upper Thana to Kut, Chatrar to	0.25

Amit
Executive Engineer
Solan Division
R.P., P.W.D., Solan



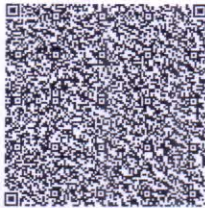
सत्यमेव जयते

INDIA NON JUDICIAL

Government of Himachal Pradesh

e-Stamp

Certificate No.	: IN-HP07015507360992V
Certificate Issued Date	: 17-Jun-2023 04:27 PM
Account Reference	: SELFPRINT (PU)/ hp-self/ SOLAN/ HP-SL
Unique Doc. Reference	: SUBIN-HPHP-SELF11763235500084V
Purchased by	: PANKAJ SHARMA
Description of Document	: Article 4 Affidavit
Property Description	: AFFIDAVIT REGARDING KIARI TO KHINNA
Consideration Price (Rs.)	: 20 (Twenty only)
First Party	: EXECUTIVE ENGINEER
Second Party	: DFO SOLAN
Stamp Duty Paid By	: EXECUTIVE ENGINEER
Stamp Duty Amount(Rs.)	: 20 (Twenty only)



SELF PRINTED CERTIFICATE TO BE
VERIFIED BY THE RECIPIENT AT
WWW.SHCIESTAMP.COM

IN-HP07015507360992V

Please write or type below this line

Affidavit

I, Executive Engineer, Public works Department, Solan, hereby declare that the work of drain will be done in the entire length of Kiari Khinna Road which is 7/820 kilometre and r/wall work will be done in 499-meter length.

[Signature]
Executive Engineer
HPPWD Solan
B&P Solan
HPPWD Solan

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shciestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



Chow $\frac{BC}{AC}$

Dy. Conservator of Forest
Baden Forest Division

GENERAL ABSTRACT OF COST

Name of work:-Construction of KIARI KHINNA ROAD KM. 0/0 to 7/820 Under NABARD			
(SH :- Earth cutting between Km.0 /00 to 7/705), Earth Filling between Km.0 /00 to 7/705), C/O Retaining/Breast wall, C/O 900mm dia HPC along with wing wall, C/O PCC V-Shape drain and C/O essential PCC Parapets,)			
Sr. No.	Item of Development	Annexure	Amount (in Laacs)
1	2	3	4
1	Earth cutting between Km.0 /00 to 7/705	As Per Annexure 1	290.61
2	Earth Filling between Km.0 /00 to 7/705	As Per Annexure 2	19.54
3	C/O Retaining between Km 0/0 to 7/820	As Per Annexure 3	159.07
4	C/O wire grate between Km 0/0 to 7/820	As Per Annexure 4	52.18
5	C/O 900mm dia HPC along with wing wall	As Per Annexure 5	157.11
6	C/O unlined V-Shape Drain in Km. 0/0 to 7/820)	As Per Annexure 6	6.37
7	C/O Essential PCC Parapets in Km. 0/0 to 7/820)	As Per Annexure 7	33.69
	Total :-		718.57
	Add contingency charges @	3%	21.56
	Total:-		740.13
	Add escalation charges for 2 years @	10%	74.01
	Total:-		814.14
	Total:-		814.14

Say Rs. 814.14/- Laacs only

Executive Engineer,
B & R Division, HP.PWD, Solan.

DPR on Manuscript shape checked for Rs 814.14 Laacs recommended for approval please.

Circle Head Draftsman
2nd Circle, H.P.P.W.D., Solan

Executive Engineer (D)
2nd Circle, HP.PWD, Solan

Superintendent Engineer
2nd Circle, HP.PWD, Solan

UNDERTAKING REGARDING BROKEN AREA & UN-BROKEN AREA
(POINT NO -7)

It is certified that the broken area road has long been utilized as a thorough-fare by local people for foot commute, agriculture, education, health and other basic amenities reasons to nearby towns of Chail, Tehsil Kandaghat, District Solan (HP). No trees are occurring this area because this path stands in place since many years. The tree list of the unbroken area has already been attached.


Dy. Conservator of Forest
Solan Forest Division


Executive Engineer
HP PWD, Solan (HP)
H.P. P.W.D. Solan

✓

UNDERTAKING REGARDING POINT NO – 8, 9 & 10 & 12

It is certified that in connection with the objection raised by the Regional Officer, Ministry of Environment Forest in point no. 8, he had suggested to explore the possibility to shift dumping site from forest area to non-forestry area. In this context user agency has explored a Dumping Site to non-forestry area in Khasra No. 429/405/9/1 Mauja Shillai. The details of dumping site of non-forestry area with muck management plan has been uploaded online Part-I,

Dy. Conservator of Forest
Solani Forest Division

Executive Engineer
HP PWD, Solan (HP)
H.P. P.W.D. Solan

N.O.W:- C/o Road from Kiari to Khina Km 0/000 to 7/820

MUCK MANAGEMENT PLAN (MNP)

Sr. No.	Description	Quantity (Cum)
1	Total Quantity of Muck being produced	179749.42
2	Deduction for useful stone as required under the clause of agreement to be executed by the Contractor and Executive Engineer of Project implementing on behalf of Governor	11,585.12
3	Net Balance Quantity of Muck Produced	168164.3
4	Quantity available on site with soil factor @ 40%	67265.72
5	Total Quantity available on site (A)	235430.02
6	Deduction of material required for the construction of dumping place, R/wall, B/wall and in dry masonry wall/Edge wall @ 10% of ©	23543.002
7	Less for material/muck required for the levelling of the proposed road @ 15% of (A)	35314.503
8	Less for material/muck required for the construction of the proposed road on the apology of half cutting and half filling @ 40% of (A)	94172.008
9	NET BALANCE QUANTITY (CUM)	82,400.51
10	Total Quantity to be Deducted from (A) (Cum)	(B) 153029.51
11	Material/Muck left at the site that requires carriage for the proper dumping at the recognised site as per the instructions of the forest and environment ministry reinforced by various judgement of apex court GOI. (A-B)	82,400.51

Proposed dumping site as per joint inspection report attached-D1

Total capacity of dumping site as proposed an attached joint inspection report is = 97,370 cum


Assistant Engineer
B&R HPPWD Sub-Division
Kandaghat


Dy. Conservator of Forest
Solani Forest Division


Executive Engineer
B&R HPPWD Sub-Division
Solani Forest Division

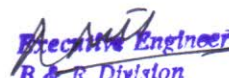
NAME OF WORK :- CONSTRUCTION OF ROAD KIARI KHINNA KM. 0/0 to 7/705 (SH- EARTH CUTTING)		
Sr.No.	RD	Qty.
1	0/00 to 1/00	15478.28
2	1/00 to 2/00	22001.58
3	2/00 to 3/00	19126.93
4	3/00 to 4/00	10056.78
5	4/00 to 5/00	49657.98
6	5/00 to 6/00	20122.95
7	6/00 to 7/00	30226.95
8	7/00 to 7/705	13077.98
	Total:-	179749.43

Amit

Executive Engineer,
B & R Division
H.P.P.W.D, SOLAN

475	7/075	15	14.25	12.63	189.38
476	7/090	15	9.86	12.06	180.83
477	7/105	15	19.13	14.50	217.43
478	7/120	15	23.86	21.50	322.43
479	7/135	15	20.28	22.07	331.05
480	7/150	15	16.11	18.20	272.93
481	7/165	15	17.67	16.89	253.35
482	7/180	15	12.03	14.85	222.75
483	7/195	15	10.49	11.26	168.90
484	7/210	15	32.08	21.29	319.28
485	7/225	15	22.22	27.15	407.25
486	7/240	15	26.03	24.13	361.88
487	7/255	15	24.23	25.13	376.95
488	7/270	15	14.32	19.28	289.13
489	7/285	15	17.72	16.02	240.30
490	7/300	15	44.26	30.99	464.85
491	7/315	15	23.10	33.68	505.20
492	7/330	15	0.00	11.55	173.25
493	7/345	15	11.52	5.76	86.40
494	7/360	15	3.00	7.26	108.90
495	7/375	15	28.82	15.91	238.65
496	7/390	15	4.24	16.53	247.95
497	7/405	15	16.38	10.31	154.65
498	7/420	15	15.20	15.79	236.85
499	7/435	15	0.00	7.60	114.00
500	7/450	15	7.07	3.54	53.03
501	7/465	15	5.72	6.40	95.93
502	7/480	15	16.92	11.32	169.80
503	7/495	15	24.60	20.76	311.40
504	7/510	15	15.93	20.27	303.98
505	7/525	15	14.50	15.22	228.23
506	7/540	15	25.14	19.82	297.30
507	7/555	15	10.86	18.00	270.00
508	7/570	15	31.59	21.23	318.38
509	7/585	15	27.26	29.43	441.38
510	7/600	15	12.55	19.91	298.58
511	7/615	15	12.80	12.68	190.13
512	7/630	15	8.07	10.44	156.53
513	7/645	15	28.44	18.26	273.83
514	7/660	15	48.39	38.42	576.23
515	7/675	15	14.99	31.69	475.35
516	7/690	15	16.18	15.59	233.78
517	7/705	15	3.30	9.74	146.10
			TOTAL		13077.98
Total Qty.					179749.43


Dy. Conservator of Forest
Solan Forest Division


Executive Engineer
B & R Division
H.P.P.W.D., SOLAN

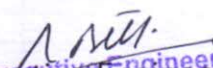
Point No-15 & 17

Point No-15

Undertaking

I, Executive Engineers HPPWD, B& r Division Solan do hereby undertake and declare that as per the recent direction of MoEF & CC vide letter dated 07 June, 2022, Soil and moisture conservation cost of Project(C/o Kiari Khinna Road KM 0/0 to 7/820) shall be deposited in CAMPA account @0.5% to total cost of project prior to actual working on the forest area.


Dy. Conservator of Forest
Solan Forest Division


Executive Engineer
B&R Division
HPPWD Solan

Detail of measurements

NAME OF WORK:- CONSTRUCTION OF ROAD KIARI KHINNA KM. 0/0 to 7/705 (SH- EARTH CUTTING)

SR. NO.	RD	L	X-SECTION AREA	MEAN AREA	QTY.
1	0/0		42.80		
2	0/015	15	2.50	22.65	339.75
3	0/030	15	3.68	3.09	46.35
4	0/045	15	6.32	5.00	75.00
5	0/060	15	7.20	6.76	101.40
6	0/075	15	3.78	5.49	82.35
7	0/090	15	2.21	3.00	44.93
8	0/105	15	2.96	2.59	38.78
9	0/120	15	4.31	3.64	54.53
10	0/135	15	10.77	7.54	113.10
11	0/150	15	27.20	18.99	284.78
12	0/165	15	11.21	19.21	288.08
13	0/180	15	28.24	19.73	295.88
14	0/195	15	29.88	29.06	435.90
15	0/210	15	42.33	36.11	541.58
16	0/225	15	2.68	22.51	337.58
17	0/240	15	10.51	6.60	98.93
18	0/255	15	0.00	5.26	78.83
19	0/270	15	47.55	23.78	356.63
20	0/285	15	29.46	38.51	577.58
21	0/300	15	5.40	17.43	261.45
22	0/315	15	13.21	9.31	139.58
23	0/330	15	28.74	20.98	314.63
24	0/345	30	28.95	28.85	865.35
25	0/360	15	26.06	27.51	412.58
26	0/375	15	23.72	24.89	373.35
27	0/390	15	20.18	21.95	329.25
28	0/405	15	47.34	33.76	506.40
29	0/420	15	43.23	45.29	679.28
30	0/435	15	21.54	32.39	485.78
31	0/450	15	25.62	23.58	353.70
32	0/465	15	30.07	27.85	417.68
33	0/480	15	10.69	20.38	305.70
34	0/495	15	16.50	13.60	203.93
35	0/510	15	51.73	34.12	511.73
36	0/525	15	27.46	39.60	593.93
37	0/540	15	1.93	14.70	220.43
38	0/555	15	3.17	2.55	38.25
39	0/570	15	0.52	1.85	27.68
40	0/585	15	0.00	0.26	3.90
41	0/600	15	11.46	5.73	85.95
42	0/615	15	6.16	8.81	132.15
43	0/630	15	6.16	6.16	92.40
44	0/645	15	15.92	11.04	165.60
45	0/660	15	9.84	12.88	193.20
46	0/675	15	7.49	8.67	129.98
47	0/690	15	9.18	8.34	125.03
48	0/705	15	16.75	12.97	194.48
49	0/720	15	28.08	22.42	336.23
50	0/735	15	37.91	33.00	494.93
51	0/750	15	4.40	21.16	317.33
52	0/765	15	0.90	2.65	39.75
53	0/780	15	12.15	6.53	97.88
54	0/795	15	7.86	10.01	150.08

[Signature]
Executive Engineer
Solari Division
H.P. P.W.D. Solari

55	0/810	15	3.98	5.92	88.80
56	0/825	15	13.68	8.83	132.45
57	0/840	15	17.15	15.42	231.23
58	0/855	15	7.98	12.57	188.48
59	0/870	15	3.96	5.97	89.55
60	0/885	15	5.93	4.95	74.18
61	0/900	15	10.64	8.29	124.28
62	0/915	15	5.11	7.88	118.13
63	0/930	15	16.50	10.81	162.08
64	0/945	15	12.40	14.45	216.75
65	0/960	15	4.14	8.27	124.05
66	0/975	15	6.06	5.10	76.50
67	0/990	15	1.20	3.63	54.45
68	1/000	10	0.00	0.60	6.00
					15478.28
69	1/015	15	8.06	4.03	60.45
70	1/030	15	6.19	7.13	106.88
71	1/045	15	10.08	8.14	122.03
72	1/060	15	1.90	5.99	89.85
73	1/075	15	18.66	10.28	154.20
74	1/090	15	49.53	34.10	511.43
75	1/105	15	1.26	25.40	380.93
76	1/120	15	9.01	5.14	77.03
77	1/135	15	0.80	4.91	73.58
78	1/150	15	10.72	5.76	86.40
79	1/165	15	26.88	18.80	282.00
80	1/180	15	21.25	24.07	360.98
81	1/195	15	62.58	41.92	628.73
82	1/210	15	54.36	58.47	877.05
83	1/225	15	9.00	31.68	475.20
84	1/240	15	5.85	7.43	111.38
85	1/255	15	9.63	7.74	116.10
86	1/270	15	8.32	8.98	134.63
87	1/285	15	13.53	10.93	163.88
88	1/300	15	3.56	8.55	128.18
89	1/315	15	1.55	2.56	38.33
90	1/330	15	2.50	2.03	30.38
91	1/345	15	9.08	5.79	86.85
92	1/360	15	9.20	9.14	137.10
93	1/375	15	0.53	4.87	72.98
94	1/390	15	2.60	1.57	23.48
95	1/405	15	18.63	10.62	159.23
96	1/420	15	33.36	26.00	389.93
97	1/435	15	6.77	20.07	300.98
98	1/450	15	0.00	3.39	50.78
99	1/465	15	24.68	12.34	185.10
100	1/480	15	3.48	14.08	211.20
101	1/495	15	30.83	17.16	257.33
102	1/510	15	27.76	29.30	439.43
103	1/525	15	8.65	18.21	273.08
104	1/540	15	36.69	22.67	340.05
105	1/555	15	11.16	23.93	358.88
106	1/570	15	44.74	27.95	419.25
107	1/585	15	46.11	45.43	681.38
108	1/600	15	77.22	61.67	924.98
109	1/615	15	93.52	85.37	1280.55
110	1/630	15	63.96	78.74	1181.10
111	1/645	15	21.85	42.91	643.58
112	1/660	15	38.96	30.41	456.08
113	1/675	15	33.26	36.11	541.65
114	1/690	15	32.88	33.07	496.05

M. K.
Executive Engineer

Solan Division
H.P. P.W.D. Solan

115	1/705	15	37.63	35.26	528.83
116	1/720	15	34.83	36.23	543.45
117	1/735	15	25.70	30.27	453.98
118	1/750	15	24.00	24.85	372.75
119	1/765	15	20.52	22.26	333.90
120	1/780	15	53.35	36.94	554.03
121	1/795	15	11.07	32.21	483.15
122	1/810	15	16.23	13.65	204.75
123	1/825	15	7.20	11.72	175.73
124	1/840	15	1.70	4.45	66.75
125	1/855	15	1.50	1.60	24.00
126	1/870	15	18.34	9.92	148.80
127	1/885	15	7.43	12.89	193.28
128	1/900	15	11.41	9.42	141.30
129	1/915	15	13.19	12.30	184.50
130	1/930	15	13.64	13.42	201.23
131	1/945	15	35.26	24.45	366.75
132	1/960	15	52.81	44.04	660.53
133	1/975	15	26.28	39.55	593.18
134	1/990	15	39.75	33.02	495.23
135	2/000	10	31.25	35.50	355.00
					22001.58
136	2/015	15	14.18	22.72	340.73
137	2/030	15	14.18	14.18	212.70
138	2/045	15	4.34	9.26	138.90
139	2/060	15	3.82	4.08	61.20
140	2/075	15	3.05	3.44	51.53
141	2/090	15	6.51	4.78	71.70
142	2/105	15	10.34	8.43	126.38
143	2/120	15	3.60	6.97	104.55
144	2/135	15	4.95	4.28	64.13
145	2/150	15	0.00	2.48	37.13
146	2/165	15	0.00	0.00	0.00
147	2/180	15	0.65	0.33	4.88
148	2/195	15	1.62	1.14	17.03
149	2/210	15	1.08	1.35	20.25
150	2/225	15	1.60	1.34	20.10
151	2/240	15	7.14	4.37	65.55
152	2/255	15	0.63	3.89	58.28
153	2/270	15	13.90	7.27	108.98
154	2/285	15	12.70	13.30	199.50
155	2/300	15	2.40	7.55	113.25
156	2/315	15	0.40	1.40	21.00
157	2/330	15	22.94	11.67	175.05
158	2/345	15	39.66	31.30	469.50
159	2/360	15	39.08	39.37	590.55
160	2/375	15	39.34	39.21	588.15
161	2/390	15	65.91	52.63	789.38
162	2/405	15	41.69	53.80	807.00
163	2/420	15	60.00	50.85	762.68
164	2/435	15	61.71	60.86	912.83
165	2/450	15	36.68	49.20	737.93
166	2/465	15	45.94	41.31	619.65
167	2/480	15	44.70	45.32	679.80
168	2/495	15	36.34	40.52	607.80
169	2/510	15	25.19	30.77	461.48
170	2/525	15	39.16	32.18	482.63
171	2/540	15	52.47	45.82	687.23
172	2/555	15	50.16	51.32	769.73
173	2/570	15	43.28	46.72	700.80
174	2/585	15	27.64	35.46	531.90

N. M. P.
Executive Engineer
Solan Division
UP PWD Solan

175	2/600	15	34.81	31.23	468.38
176	2/615	15	42.26	38.54	578.03
177	2/630	15	24.58	33.42	501.30
178	2/645	15	9.53	17.06	255.83
179	2/660	15	29.33	19.43	291.45
180	2/675	15	5.12	17.23	258.38
181	2/690	15	6.00	5.56	83.40
182	2/705	15	8.86	7.43	111.45
183	2/720	15	35.08	21.97	329.55
184	2/735	15	26.11	30.60	458.93
185	2/750	15	6.72	16.42	246.23
186	2/765	15	12.09	9.41	141.08
187	2/780	15	3.83	7.96	119.40
188	2/795	15	3.43	3.63	54.45
189	2/810	15	7.39	5.41	81.15
190	2/825	15	4.47	5.93	88.95
191	2/840	15	8.52	6.50	97.43
192	2/855	15	1.62	5.07	76.05
193	2/870	15	19.70	10.66	159.90
194	2/885	15	0.38	10.04	150.60
195	2/900	15	31.47	15.93	238.88
196	2/915	15	5.20	18.34	275.03
197	2/930	15	13.19	9.20	137.93
198	2/945	15	11.46	12.33	184.88
199	2/960	15	5.84	8.65	129.75
200	2/975	15	13.62	9.73	145.95
201	2/990	15	9.88	11.75	176.25
202	3/000	10	5.04	7.46	74.60
					19126.93
203	3/015	15	0.28	2.66	39.90
204	3/030	15	5.28	2.78	41.70
205	3/045	15	1.80	3.54	53.10
206	3/060	15	1.05	1.43	21.38
207	3/075	15	4.20	2.63	39.38
208	3/090	15	0.00	2.10	31.50
209	3/105	15	1.24	0.62	9.30
210	3/120	15	3.88	2.56	38.40
211	3/135	15	0.66	2.27	34.05
212	3/150	15	0.60	0.63	9.45
213	3/165	15	13.59	7.10	106.43
214	3/180	15	10.08	11.84	177.53
215	3/195	15	5.40	7.74	116.10
216	3/210	15	9.50	7.45	111.75
217	3/225	15	9.18	9.34	140.10
218	3/240	15	17.46	13.32	199.80
219	3/255	15	25.50	21.48	322.20
220	3/270	15	11.50	18.50	277.50
221	3/285	15	11.60	11.55	173.25
222	3/300	15	17.48	14.54	218.10
223	3/315	15	10.62	14.05	210.75
224	3/330	15	9.45	10.04	150.53
225	3/345	15	10.41	9.93	148.95
226	3/360	15	13.36	11.89	178.28
227	3/375	15	8.20	10.78	161.70
228	3/390	15	17.70	12.95	194.25
229	3/405	15	8.36	13.03	195.45
230	3/420	15	1.70	5.03	75.45
231	3/435	15	13.36	7.53	112.95
232	3/450	15	34.11	23.74	356.03
233	3/465	15	30.05	32.08	481.20
234	3/480	15	10.77	20.41	306.15

A. M. T.
Executive Engineer
Solan Division
H.P. P.W.D. Solan

235	3/495	15	7.80	9.29	139.28
236	3/510	15	14.36	11.08	166.20
237	3/525	15	10.86	12.61	189.15
238	3/540	15	9.90	10.38	155.70
239	3/555	15	1.96	5.93	88.95
240	3/570	15	12.20	7.08	106.20
241	3/585	15	7.93	10.07	150.98
242	3/600	15	6.97	7.45	111.75
243	3/615	15	8.23	7.60	114.00
244	3/630	15	2.20	5.22	78.23
245	3/645	15	0.00	1.10	16.50
246	3/660	15	8.17	4.09	61.28
247	3/675	15	8.91	8.54	128.10
248	3/690	15	11.70	10.31	154.58
249	3/705	15	6.14	8.92	133.80
250	3/720	15	48.00	27.07	406.05
251	3/735	15	0.00	24.00	360.00
252	3/750	15	0.00	0.00	0.00
253	3/765	15	0.00	0.00	0.00
254	3/780	15	0.00	0.00	126.00
255	3/795	15	4.00	2.00	30.00
256	3/810	15	3.00	3.50	52.50
257	3/825	15	1.47	2.24	33.53
258	3/840	15	15.12	8.30	124.43
259	3/855	15	1.54	8.33	124.95
260	3/870	15	0.00	0.77	11.55
261	3/885	15	0.00	0.00	0.00
262	3/900	15	0.00	0.00	0.00
263	3/915	15	23.56	11.78	176.70
264	3/930	15	26.96	25.26	378.90
265	3/945	15	29.10	28.03	420.45
266	3/960	15	15.64	22.37	335.55
267	3/975	15	16.20	15.92	238.80
268	3/990	15	40.40	28.30	424.50
269	4/000	10	16.76	28.58	285.80
					10056.95
270	4/015	15	32.23	24.50	367.43
271	4/030	15	29.62	30.93	463.88
272	4/045	15	23.94	26.78	401.70
273	4/060	15	37.08	30.51	457.65
274	4/075	15	30.56	33.82	507.30
275	4/090	15	44.47	37.52	562.73
276	4/105	15	42.96	43.72	655.73
277	4/120	15	69.13	56.05	840.68
278	4/135	15	62.76	65.95	989.18
279	4/150	15	41.23	52.00	779.93
280	4/165	15	35.34	38.29	574.28
281	4/180	15	64.00	49.67	745.05
282	4/195	15	37.20	50.60	759.00
283	4/210	15	21.34	29.27	439.05
284	4/225	15	37.30	29.32	439.80
285	4/240	15	81.18	59.24	888.60
286	4/255	15	89.40	85.29	1279.35
287	4/270	15	77.86	83.63	1254.45
288	4/285	15	44.76	61.31	919.65
289	4/300	15	53.56	49.16	737.40
290	4/315	15	35.70	44.63	669.45
291	4/330	15	59.59	47.65	714.68
292	4/345	15	42.07	50.83	762.45
293	4/360	15	32.03	37.05	555.75
294	4/375	15	48.63	40.33	604.95

Amit
Executive Engineer
Solani Division
H.P. P.W.D. Solani

295	4/390	15	42.54	45.59	683.78
296	4/405	15	35.49	39.02	585.23
297	4/420	15	46.20	40.85	612.68
298	4/435	15	42.75	44.48	667.13
299	4/450	15	75.61	59.18	887.70
300	4/465	15	64.67	70.14	1052.10
301	4/480	15	60.24	62.46	936.83
302	4/495	15	104.71	82.48	1237.13
303	4/510	15	61.35	83.03	1245.45
304	4/525	15	57.62	59.49	892.28
305	4/540	15	34.65	46.14	692.03
306	4/555	15	56.75	45.70	685.50
307	4/570	15	40.20	48.48	727.13
308	4/585	15	36.76	38.48	577.20
309	4/600	15	40.61	38.69	580.28
310	4/615	15	35.10	37.86	567.83
311	4/630	15	53.82	44.46	666.90
312	4/645	15	55.54	54.68	820.20
313	4/660	15	54.26	54.90	823.50
314	4/675	15	46.52	50.39	755.85
315	4/690	15	55.14	50.83	762.45
316	4/705	15	83.59	69.37	1040.48
317	4/720	15	60.23	71.91	1078.65
318	4/735	15	71.49	65.86	987.90
319	4/750	15	88.09	79.79	1196.85
320	4/765	15	84.64	86.37	1295.48
321	4/780	15	89.50	87.07	1306.05
322	4/795	15	45.73	67.62	1014.23
323	4/810	15	58.56	52.15	782.18
324	4/825	15	61.76	60.16	902.40
325	4/840	15	33.56	47.66	714.90
326	4/855	15	77.56	55.56	833.40
327	4/870	15	42.00	59.78	896.70
328	4/885	15	12.10	27.05	405.75
329	4/900	15	44.30	28.20	423.00
330	4/915	15	16.53	30.42	456.23
331	4/930	15	30.30	23.42	351.23
332	4/945	15	28.18	29.24	438.60
333	4/960	15	26.82	27.50	412.50
334	4/975	15	37.05	31.94	479.03
335	4/990	15	29.39	33.22	498.30
336	5/000	10	33.60	31.50	314.95
					49657.98
337	5/015	15	23.74	28.67	430.05
338	5/030	15	0.00	11.87	178.05
339	5/045	15	8.10	4.05	60.75
340	5/060	15	7.36	7.73	115.95
341	5/075	15	8.76	8.06	120.90
342	5/090	15	0.16	4.46	66.90
343	5/105	15	19.01	9.59	143.78
344	5/120	15	9.14	14.08	211.13
345	5/135	15	6.40	7.77	116.55
346	5/150	15	18.48	12.44	186.60
347	5/165	15	29.44	23.96	359.40
348	5/180	15	0.80	15.12	226.80
349	5/195	15	0.72	0.76	11.40
350	5/210	15	0.00	0.36	5.40
351	5/225	15	22.44	11.22	168.30
352	5/240	15	9.10	15.77	236.55
353	5/255	15	25.69	17.40	260.93
354	5/270	15	49.60	37.65	564.68

A. M. T.
 Executive Engineer
 Solan Division
 H.P. P.W.D. Solan

355	5/285	15	27.50	38.55	578.25
356	5/300	15	24.54	26.02	390.30
357	5/315	15	6.08	15.31	229.65
358	5/330	15	27.56	16.82	252.30
359	5/345	15	13.28	20.42	306.30
360	5/360	15	3.80	8.54	128.10
361	5/375	15	8.00	5.90	88.50
362	5/390	15	3.08	5.54	83.10
363	5/405	15	12.08	7.58	113.70
364	5/420	15	18.11	15.10	226.43
365	5/435	15	20.03	19.07	286.05
366	5/450	15	38.74	29.39	440.78
367	5/465	15	18.72	28.73	430.95
368	5/480	15	13.20	15.96	239.40
369	5/495	15	27.22	20.21	303.15
370	5/510	15	36.24	31.73	475.95
371	5/525	15	15.96	26.10	391.50
372	5/540	15	11.02	13.49	202.35
373	5/555	15	4.20	7.61	114.15
374	5/570	15	3.90	4.05	60.75
375	5/585	15	4.80	4.35	65.25
376	5/600	15	11.00	7.90	118.50
377	5/615	15	13.74	12.37	185.55
378	5/630	15	29.44	21.59	323.85
379	5/645	15	36.73	33.09	496.28
380	5/660	15	16.36	26.55	398.18
381	5/675	15	33.68	25.02	375.30
382	5/690	15	19.40	26.54	398.10
383	5/705	15	0.00	9.70	145.50
384	5/720	15	19.36	9.68	145.20
385	5/735	15	36.32	27.84	417.60
386	5/750	15	58.10	47.21	708.15
387	5/765	15	28.70	43.40	651.00
388	5/780	15	20.34	24.52	367.80
389	5/795	15	52.65	36.50	547.43
390	5/810	15	24.10	38.38	575.63
391	5/825	15	18.74	21.42	321.30
392	5/840	15	25.77	22.26	333.83
393	5/855	15	34.99	30.38	455.70
394	5/870	15	39.20	37.10	556.43
395	5/885	15	44.99	42.10	631.43
396	5/900	15	18.94	31.97	479.48
397	5/915	15	21.59	20.27	303.98
398	5/930	15	8.22	14.91	223.58
399	5/945	15	73.96	41.09	616.35
400	5/960	15	23.18	48.57	728.55
401	5/975	15	7.00	15.09	226.35
402	5/990	15	32.74	19.87	298.05
403	6/000	10	11.84	22.29	222.90
					20122.95
404	6/015	15	17.76	14.80	222.00
405	6/030	15	25.24	21.50	322.50
406	6/045	15	3.90	14.57	218.55
407	6/060	15	11.66	7.78	116.70
408	6/075	15	10.60	11.13	166.95
409	6/090	15	12.20	11.40	171.00
410	6/105	15	12.90	12.55	188.25
411	6/120	15	7.76	10.33	154.95
412	6/135	15	5.44	6.60	99.00
413	6/150	15	18.12	11.78	176.70
414	6/165	15	46.20	32.16	482.40

A. M. L.
Executive Engineer
Solan Division

H. P. W. D. Solan

415	6/180	15	20.64	33.42	501.30
416	6/195	15	25.54	23.09	346.35
417	6/210	15	18.60	22.07	331.05
418	6/225	15	19.60	19.10	286.50
419	6/240	15	14.00	16.80	252.00
420	6/255	15	23.34	18.67	280.05
421	6/270	15	16.60	19.97	299.55
422	6/285	15	16.26	16.43	246.45
423	6/300	15	24.63	20.45	306.68
424	6/315	15	15.04	19.84	297.53
425	6/330	15	11.59	13.32	199.73
426	6/345	15	45.40	28.50	427.43
427	6/360	15	74.10	59.75	896.25
428	6/375	15	47.40	60.75	911.25
429	6/390	15	48.52	47.96	719.40
430	6/405	15	32.40	40.46	606.90
431	6/420	15	42.21	37.31	559.58
432	6/435	15	39.46	40.84	612.53
433	6/450	15	35.64	37.55	563.25
434	6/465	15	35.12	35.38	530.70
435	6/480	15	55.14	45.13	676.95
436	6/495	15	41.02	48.08	721.20
437	6/510	15	48.24	44.63	669.45
438	6/525	15	24.81	36.53	547.88
439	6/540	15	19.18	22.00	329.93
440	6/555	15	10.01	14.60	218.93
441	6/570	15	30.06	20.04	300.53
442	6/585	15	25.12	27.59	413.85
443	6/600	15	24.32	24.72	370.80
444	6/615	15	8.75	16.54	248.03
445	6/630	15	13.00	10.88	163.13
446	6/645	15	24.04	18.52	277.80
447	6/660	15	23.88	23.96	359.40
448	6/675	15	42.86	33.37	500.55
449	6/690	15	43.12	42.99	644.85
450	6/705	15	23.24	33.18	497.70
451	6/720	15	40.50	31.87	478.05
452	6/735	15	37.62	39.06	585.90
453	6/750	15	19.44	28.53	427.95
454	6/765	15	27.99	23.72	355.73
455	6/780	15	28.17	28.08	421.20
456	6/795	15	26.34	27.26	408.83
457	6/810	15	21.87	24.11	361.58
458	6/825	15	45.27	33.57	503.55
459	6/840	15	71.98	58.63	879.38
460	6/855	15	44.48	58.23	873.45
461	6/870	15	36.98	40.73	610.95
462	6/885	15	36.34	36.66	549.90
463	6/900	15	67.20	51.77	776.55
464	6/915	15	34.57	50.89	763.28
465	6/930	15	51.80	43.19	647.78
466	6/945	15	15.48	33.64	504.60
467	6/960	15	72.46	43.97	659.55
468	6/975	15	37.04	54.75	821.25
469	6/990	15	50.26	43.65	654.75
470	7/000	10	51.41	50.84	508.35
					30226.95
471	7/015	15	40.80	46.11	691.58
472	7/030	15	32.34	36.57	548.55
473	7/045	15	12.56	22.45	336.75
474	7/060	15	11.00	11.78	176.70

[Signature]
Executive Engineer
Solari Division
U.P. P.W.D., Solari